

# **DIABETES**

## **LITERATURE INDEX**

**NATIONAL INSTITUTE OF ARTHRITIS, METABOLISM, AND DIGESTIVE DISEASES**

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# DIABETES LITERATURE INDEX

(By Authors, Hierarchy, and by Keywords in the Title)

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## Order of Arrangement

Arrangement of hierarchy  
MEDLARS terms included in hierarchy  
Hierarchical Subject Index  
Keyword Index  
Author Index

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## PREFACE

*Diabetes Literature Index* is a publication of the National Institute of Arthritis, Metabolism, and Digestive Diseases which has been prepared from MEDLARS (Medical Literature Analysis and Retrieval System) tapes furnished by the National Library of Medicine. This specialized information medium is being published to fill an existing great need in the field of diabetes and to assist the Institute in meeting its obligations to foster and support laboratory and clinical research into the nature, causes, and therapy for diabetes. Publication of *Diabetes Literature Index* makes available an index of all current scientific papers relevant to this field from the world literature.

It is hoped that the issuing of *Diabetes Literature Index* under the auspices of the National Institute of Arthritis, Metabolism, and Digestive Diseases will provide a much needed current awareness tool to scientists and will facilitate greater integration of research and clinical efforts in this field. *Diabetes Literature Index* has been published monthly since January 1966 and is cumulated at the end of each calendar year.

This publication is available free to National Institutes of Health grantees and contractors working in the field of diabetes, and libraries of medical schools. Requests from these *qualified* individuals to receive free copies of this publication must include their grant or contract number and the title of their project. These requests as well as address changes and other communications from these qualified recipients of free copies should be addressed to:

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Diabetes Literature Index  
National Institute of Arthritis,  
Metabolism, and Digestive Diseases  
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Superintendent of Documents  
U.S. Government Printing Office  
Washington, D.C. 20402

The Secretary of the Department of Health, Education, and Welfare has determined that the publication of this periodical is necessary in the transaction of the public business required by law of this Department. Use of funds for printing this periodical has been approved by the Director of the Office of Management and Budget through April 30, 1978

## EDITORIAL NOTE

*Diabetes Literature Index*, a publication of the National Institute of Arthritis, Metabolism, and Digestive Diseases (NIAMDD), was brought about through the cooperative efforts of two divisions of the National Institutes of Health (NIAMDD and the National Library of Medicine), a professional society (American Diabetes Association), three Universities (University of Minnesota, University of Rochester, and Case Western Reserve University) as well as a number of individual scientists. In this rather unique cooperative project, initiated in 1958, duplication of effort has been reduced to a minimum. The digital information generated from the original input of bibliographic citations to the National Library of Medicine's MEDLARS system is processed by computer in several different ways and ultimately used to compose the final printed pages of this *Diabetes Literature Index*.

Each month the MEDLARS magnetic tape furnished by the National Library of Medicine (NLM) is used for identification of the diabetes related literature. All bibliographic citations classified under subject headings which we have designated as Priority I, represent articles that are 100% diabetes-related; they are automatically copied onto a new magnetic tape and constitute over seventy percent of the citations appearing in this index. The citations appearing under Priority II and III are subject headings which include both diabetes-related and unrelated articles; these are printed on cards by the computer. The diabetes related citations are identified manually and the corresponding digital information is added to the next month's Priority I magnetic tape.

In the selection of this bibliography, diabetes-related literature has been defined in a rather arbitrary but broad, comprehensive manner with a view toward providing the widest possible coverage of related areas. To this end the following subjects have been included: the Islets of Langerhans in the pancreas, including their structure and pathologic alterations; insulin, its properties, assay, synthesis, release or degradation; the direct and indirect effects of insulin on target organs; blood glucose level, hyper- and hypo-glycemia; insulin antibodies and insulin resistance; insulin allergy; recent developments in intermediary metabolism; experimental and clinical as-

pects of diabetes, signs, symptoms, diagnosis, treatment, complications, and associated conditions. Also included are other hormones and agents whose effects are similar, opposite, synergistic or antagonistic to insulin, either in their primary or secondary effects on target organs. It should be noted that there are undoubtedly some omissions due to the empirical definition of the diabetes-related literature which was adopted and also to the difficulties attendant in preparing such a large-scale bibliography by machine.

The *Diabetes Literature Index* is published in three formats: a hierarchical subject index, a key word in title index, and an author index. The magnetic tape version of these indexes, prepared at the University of Minnesota, is used to generate the copy for offset printing by the Government Printing Office on their Linotron.

*Hierarchical Subject Index:* This index differs from *Index Medicus* in that related terms are grouped together in a hierarchical relationship. Thus, all citations which are indexed under blood sugar, glucose tolerance, hyperglycemia, hypoglycemia, and glycosuria are grouped under the general heading "blood sugar, urine sugar and related topics." In both the Diabetes Key Word Index and in *Index Medicus* these terms are arranged alphabetically, and the corresponding citations are distributed at many different page locations. In some instances where only a few citations appear under several similar subject headings, these are grouped together under a more generic term; at times, a new non-MEDLARS index term is created to cover these groupings of subject headings. In some instances where many citations appear under a single subject heading, these are subdivided by using subheadings.

Although the hierarchical subject index is, in a sense, a miniaturized version of *Index Medicus* (dealing with the core diabetes literature) it provides a much greater depth of indexing. Many relevant citations included in the *Diabetes Literature Index* do not appear under the corresponding subject headings in *Index Medicus*; because of space limitations, only two or three of the ten or more index terms included on the MEDLARS magnetic tape are used in the printed version of *Index Medicus*. At times the reason why a given citation appears under a specific subject

heading may not be apparent from the article title. However, examination of the list of index terms for this citation (included in the Author Index under the principal author) will give the basis for this inclusion.

Beginning with the January 1971 issue, two sections are included in the Hierarchical Subject Index. In *Section 1*, "Diabetes Mellitus and Related Topics," the major subdivisions include the MEDLARS terms: Islets of Langerhans, Pancreas, Insulin, Glucagon, Blood and Urine Sugar; the subsection on "Diabetes," (Section 1.F) is extensively subdivided and many subheadings are used. In *Section 2*, "Endocrinology" is divided into subsections dealing with the individual endocrine glands. Hierarchical subject indexes related to Biochemistry and the organ systems (included in the experimental issues, published in February and March, 1969) are not included at this time; terms related to these subjects are, however, included in the Keyword Index.

A list of the subject headings included in the tree structure of the hierarchy (with their corresponding index numbers) and an alphabetic cross index of these subject headings is printed immediately preceding the Hierarchical Subject Index.

**Key Word Index:** For all of the diabetes-related literature chosen, key words in the title are identified by the computer and an expanded magnetic tape is prepared, listing the complete bibliographic citation under each key word. Most editorial decisions are made by the computer-disk-look-up-program using a master list of terms. Trivial words are deleted and specific word combinations are also selected. Abbreviations and word variant forms are replaced by the more commonly used key word. Inconsistencies between the British and American spellings are eliminated. In no case, however, is a change made within

the title itself. Words which have not appeared previously in the system are identified by the computer program and flagged for human decision.

With the publication of the hierarchical subject index, the key word index has been shortened. Diabetes is not included as a term in the key word index as it is covered in great detail in the hierarchical subject index. Although users may find the hierarchical subject index more useful for coverage of their broad interests, the key word index is advantageous in locating citations dealing with very specific terms—for example those relating to biochemistry or the organ systems. The key word index is of special value in locating citations dealing with the frontiers of diabetes research, for new terms appearing in the title are immediately included in the key word index.

**Author Index:** Because of space limitations, the printed version of *Index Medicus* excludes all but the first three authors in multiple author publications. However since the last author is often the best known, this name may be the most useful for reference or retrieval; therefore, all authors are included in the Diabetes Literature Author Index. These are automatically identified by the computer program and an alphabetized magnetic tape is prepared in which the complete bibliographic citation is included under each author. In addition, all of the index terms used by the NLM for each citation are listed under the principal author, thus providing an overview of the subject content of the article.

Users planning to systematically cover all articles appearing in a given month may do so by scanning the author index, limiting their perusal to the principal author, i.e., those citations which contain the MEDLARS index terms.

# Arrangement of the Hierarchical Index

1	SECTION 1. DIABETES MELLITUS AND RELATED TOPICS	1.E.3.5	HYPERGLYCEMIA, DRUG THERAPY
1A	ISLANDS OF LANGERHANS	1.E.3.6	HYPERGLYCEMIA, ETIOLOGY
1A.1	ISLANDS OF LANGERHANS, ANATOMY RELATED	1.E.3.7	HYPERGLYCEMIA, METABOLISM
1A.2	ISLANDS OF LANGERHANS, BIOCHEMISTRY RELATED	1.E.3.8	HYPERGLYCEMIA, PHYSIOPATHOLOGY
1A.3	ISLANDS OF LANGERHANS, PHYSIOLOGY RELATED	1.E.3.9	HYPERGLYCEMIA, URINE
1A.4	ISLANDS OF LANGERHANS, PHARMACOLOGY RELATED	1.E.4	GLYCOSURIA
1A.5	ISLANDS OF LANGERHANS, PATHOLOGY RELATED	1.E.4.1	GLYCOSURIA, CHEMICALLY INDUCED
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1B.2	PANCREAS, BIOCHEMISTRY RELATED	1.E.4.4	GLYCOSURIA, DRUG THERAPY
1B.3	PANCREAS, PHYSIOLOGY RELATED	1.E.4.5	GLYCOSURIA, ENZYMOLOGY
1B.4	PANCREAS, PHARMACOLOGY RELATED	1.E.4.6	GLYCOSURIA, ETIOLOGY
1B.5	PANCREAS, PATHOLOGY RELATED	1.E.4.7	GLYCOSURIA, METABOLISM
1B.6	PANCREAS, SURGERY RELATED	1.E.4.8	GLYCOSURIA, OCCURRENCE
1B.6.1	PANCREAS, TRANSPLANTATION	1.E.5	GLYCOSURIA, RENAL
1B.6.2	PANCREATECTOMY	1.E.6	HYPOGLYCEMIA
1C	INSULIN	1.E.6.1	HYPOGLYCEMIA, BLOOD
1C.1	INSULIN, BIOCHEMISTRY RELATED	1.E.6.2	HYPOGLYCEMIA, CHEMICALLY INDUCED
1C.1.1	INSULIN, ISOLATION AND PURIFICATION	1.E.6.3	HYPOGLYCEMIA, COMPLICATIONS
1C.1.2	INSULIN, ANALYSIS	1.E.6.4	HYPOGLYCEMIA, DIAGNOSIS
1C.1.3	INSULIN, CHEMICAL SYNTHESIS	1.E.6.5	HYPOGLYCEMIA, DRUG THERAPY
1C.1.4	INSULIN, BIOSYNTHESIS	1.E.6.6	HYPOGLYCEMIA, ETIOLOGY
1C.1.5	INSULIN, METABOLISM	1.E.6.7	HYPOGLYCEMIA, METABOLISM
1C.1.6	INSULIN, BLOOD	1.E.6.8	HYPOGLYCEMIA, PHYSIOPATHOLOGY
1C.1.7	INSULIN, URINE	1.E.6.9	HYPOGLYCEMIA, THERAPY
1C.2	INSULIN, PHYSIOLOGY RELATED	1.F	DIABETES
1C.2.1	INSULIN, PHYSIOLOGY	1.F.1	ALLOXAN DIABETES (SEE SEC. 1.F.10.2)
1C.2.2	INSULIN, SECRETION	1.F.2	DIABETES MELLITUS
1C.3	INSULIN, PHARMACOLOGY RELATED	1.F.2.1	DIABETES MELLITUS, JUVENILE
1C.3.1	INSULIN, PHARMACODYNAMICS	1.F.3	DIABETES, BIOCHEMISTRY RELATED
1C.3.2	INSULIN, ANTAGONISTS AND INHIBITORS	1.F.3.1	DIABETES, METABOLISM
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1C.4	HYPERINSULINISM	1.F.3.3	DIABETES, BLOOD
1C.4.1	INSULIN COMA	1.F.3.4	DIABETES, URINE
1C.5	INSULIN ANTIBODIES	1.F.4	DIABETES, PHYSIOPATHOLOGY
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1C.7.2	INSULIN ADMINISTRATION AND DOSAGE (SEE 1.F.9.3.1)	1.F.6.1.1	ACIDOSIS, DIABETIC
1C.7.3	INSULIN, THERAPEUTIC USE (SEE 1.F.9.3.2)	1.F.6.1.2	DIABETIC COMA
1C.8	INSULIN, HISTORY	1.F.6.2	DIABETIC ANGIOPATHIES
1D	GLUCAGON	1.F.6.3	DIABETIC NEPHROPATHIES
1D.1	GLUCAGON, BIOCHEMISTRY RELATED	1.F.6.4	DIABETIC NEUROPATHIES
1D.1.1	GLUCAGON, ANALYSIS	1.F.6.5	DIABETIC RETINOPATHY
1D.1.2	GLUCAGON, METABOLISM	1.F.6.6	OTHER COMPLICATIONS OF DIABETES
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1D.3	GLUCAGON, PHARMACOLOGY RELATED	1.F.7.2	DIABETES, ETIOLOGY
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1D.3.3	GLUCAGON, TOXICITY	1.F.7.5	PREDIABETIC STATE
1D.4	GLUCAGON, THERAPY RELATED	1.F.8	DIABETES, DIAGNOSIS RELATED
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1D.4.2	GLUCAGON, THERAPEUTIC USE	1.F.8.2	DIABETES, DIAGNOSIS
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## Arrangement of the Hierarchical Index

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## MEDLARS Terms Included in Hierarchical Index

ACETOHEXAMIDE  
 ACIDOSIS  
 ACIDOSIS, DIABETIC  
 ACROMEGALY  
 ADDISON'S DISEASE  
 ADRENAL CORTEX HORMONES  
 ADRENAL GLAND HYPERFUNCTION  
 ADRENAL GLAND HYPOFUNCTION  
 ADRENAL GLANDS  
 ADRENAL MEDULLA  
 ADRENALECTOMY  
 ADRENOGENITAL SYNDROME  
  
 ALDOSTERONE  
 ALLOXAN DIABETES  
     BLOOD  
     DRUG THERAPY  
     ENZYMOLOGY  
     METABOLISM  
     PATHOLOGY  
     PHYSIOPATHOLOGY  
  
 AMNIOCENTESIS  
 ANABOLIC STEROIDS  
 ANDROGENS  
 ANDROSTERONE  
  
 ANTIDIABETICS  
 APGAR SCORE  
 ARTERIOSCLEROSIS  
 BETAMETHASONE  
 BIGUANIDES  
 BLOOD SUGAR  
     ANALYSIS  
     BIOSYNTHESIS  
     METABOLISM  
     PHARMACODYNAMICS  
 CALCITONIN  
 CARBUTAMIDE  
 CHLORMADINONE  
 CHLOROTRIANSENE  
 CHLORPROPAMIDE  
 CHOLECYSTOKININ  
 CHOLESTEROL, DIETARY  
 CHROMAFFIN SYSTEM  
 CONTRACEPTIVES, ORAL  
 CORONARY DISEASE  
 CORPUS LUTEUM  
 CORPUS LUTEUM HORMONES  
 CORTICOSTERONE  
 CORTICOTROPIN  
 CORTICOTROPIN RELEASING HORMONE  
 CORTISONE  
 CRETINISM  
 CUSHING'S SYNDROME  
 CYCLAMATES  
 CYTOCHALASIN B  
 CYTOCHALASINS  
 DEHYDROEPIANDROSTERONE  
  
 DESOXYCORTICOSTERONE  
 DEXAMETHASONE  
 DIABETES INSIPIDUS  
 DIABETES MELLITUS  
     BLOOD  
     CHEMICALLY INDUCED  
     COMPLICATIONS  
     CONGENITAL  
     DIAGNOSIS  
     DRUG THERAPY  
     ENZYMOLOGY  
     ETIOLOGY  
     FAMILIAL & GENETIC  
     HISTORY  
     IMMUNOLOGY  
     METABOLISM  
     MORTALITY  
     OCCURRENCE

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 1.F.6.1 ACIDOSIS, DIABETIC  
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 2.B.5 ADRENAL DISORDERS  
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 2.B.5 ADRENAL DISORDERS  
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 2.B.3 ADRENAL MEDULLA  
 2.B.4 ADRENALECTOMY  
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 PHYSIOPATHOLOGY  
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 2.F.3.1 ANDROGENS  
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## SECTION 1. DIABETES MELLITUS AND RELATED TOPICS

### 1.A ISLANDS OF LANGERHANS

[THE PERICAPILLARY SPACE IN THE ENDOCRINE GLANDS] ALLARA E *BOLL SOC ITAL BIOL SPER* 50: 3-5, 31 JAN 74 *ITA*

[PORTAL IMPLANTATION OF EXOGENOUS PANCREATIC ISLAND ALLOGRAFTS, IN THE TREATMENT OF EXPERIMENTAL DIABETES] COLIN R, BAILLAT X *CHIRURGIE* 100: 571-80, 29 MAY 74 *FRE*

ELECTRON MICROSCOPIC OBSERVATIONS ON THE PANCREATIC B CELL IN STREPTOZOTOCIN-INDUCED HYPERGLYCEMIC RATS. SHINKAWA Y, KATAOKA K, FUJITA H *HIROSHIMA J MED SCI* 22: 447-59, DEC 73 *ENG*

CRYO-ULTRAMICROTOMY OF ISLETS OF LANGERHANS. SOME OBSERVATIONS ON THE FINE STRUCTURE OF MAMMALIAN ISLETS IN FROZEN SECTIONS. HOWELL SL, TYHURST M *J CELL SCI* 15: 591-603, AUG 74 *ENG*

PRESENCE OF GLUCAGON IMMUNOREACTIVITY IN THE GLOBULIN FRACTION OF HUMAN PLASMA (BIG PLASMA GLUCAGON). VALVERDE I, VILLANUEVA ML, LOZANO I, MARCO J *J CLIN ENDOCRINOL METAB* 39: 1090-8, DEC 74 *ENG*

ISLET-CELL ANTIBODIES IN DIABETES MELLITUS WITH AUTOIMMUNE POLYENDOCRINE DEFICIENCIES. BOTTAZZO GF, FLORIN-CHRISTENSEN A, DONIACH D *LANCET* 2: 1279-83, 30 NOV 74 *ENG*

[ORGANIC HYPOGLYCEMIA DUE TO LANGERHANS CARCINOMA. TREATMENT BY DIAZOXIDE FOLLOWED BY STREPTOZOTOCIN] LINQUETTE M, FOSSATI P, DECOULX M, FOURLINNIE JC, MARIAGE P *LILLE MED* 19: 539-45, MAY 74 *FRE*

#### 1.A.1 ISLANDS OF LANGERHANS, ANATOMY RELATED

INSULIN-GLUCAGON SUBSTRATE INTERRELATIONSHIPS IN THE NEONATAL SHEEP. FISER RH JR, PHELPS DL, WILLIAMS PR, SPERLING MA, FISHER DA, OH W *AM J OBSTET GYNECOL* 120: 944-50, 1 DEC 74 *ENG*

[FUNCTIONAL MORPHOLOGY OF THE PANCREATIC ISLETS IN RATS WITH ISOLATION OF THE MEDIO-BASAL AREA OF THE HYPOTHALAMUS] AKMAEV IG, RABKINA AE, KABOLOVA ZA *ARKH ANAT GISTOL EMBRIOL* 67: 59-64, AUG 74 *RUS*

#### 1.A.2 ISLANDS OF LANGERHANS, BIOCHEMISTRY RELATED

THE PANCREATIC BETA-CELL RECOGNITION OF INSULIN SECRETAGOGUES. XIII. EFFECTS OF SULPHYDRYL REAGENTS ON

CYCLIC AMP. HELLMAN B, IDAHL LA, LERNMARK A, TALJEDAL IB *BIOCHIM BIOPHYS ACTA* 372: 127-34, 4 NOV 74 *ENG*

INTERACTION OF NA& AND MG2& WITH CA2& IN PANCREATIC ISLETS AS VISUALIZED BY CHLOROTETRACYCLINE FLUORESCENCE. TALJEDAL IB *BIOCHIM BIOPHYS ACTA* 372: 154-61, 4 NOV 74 *ENG*

GLUCAGON BIOSYNTHESIS IN AVIAN PANCREATIC ISLETS: EVIDENCE FOR MEDIUM-SIZED BIOSYNTHETIC INTERMEDIATES. TUNG AK *CAN J BIOCHEM* 52: 1081-6, NOV 74 *ENG*

DYNAMICS OF INSULIN RELEASE AND MICROTUBULAR-MICROFILAMENTOUS SYSTEM. III. EFFECT OF COLCHICINE UPON GLUCOSE-INDUCED INSULIN SECRETION. SOMERS G, VAN OBERGHEEN E, DEVIS G, RAVAZZOLA M, MALAISSE-LAGAE F, MALAISSE WJ *EUR J CLIN INVEST* 4: 299-305, OCT 74 *ENG*

DYNAMICS OF INSULIN RELEASE AND MICROTUBULAR-MICROFILAMENTOUS SYSTEM. V. A MODEL FOR THE PHASIC RELEASE OF INSULIN. MALAISSE WJ, VAN OBERGHEEN E, DEVIS G, SOMERS G, RAVAZZOLA M *EUR J CLIN INVEST* 4: 313-8, OCT 74 *ENG*

AMINO ACID CONTENT AS INDICATOR OF MEMBRANE PERMEABILITY IN PANCREATIC BETA-CELLS. GYLFE E *HORM RES* 5: 339-43, 1974 *ENG*

GUANOSINE 3:5-MONOPHOSPHATE-DEPENDENT PROTEIN KINASES IN MAMMALIAN TISSUES. KUO JF *PROC NATL ACAD SCI USA* 71: 4037-41, OCT 74 *ENG*

THE PANCREATIC BETA-CELL RECOGNITION OF INSULIN SECRETAGOGUES: DOES CYCLIC AMP MEDIATE THE EFFECT OF GLUCOSE HELLMAN B, IDAHL LA, LERNMARK A, TALJEDAL IB *PROC NATL ACAD SCI USA* 71: 3405-9, SEP 74 *ENG*

EMIOCYTOSIS: A POSSIBLE MOLECULAR MECHANISM. LAZARUS NR, DAVIS B *PROC R SOC MED* 67: 841-2, SEP 74 *ENG*

#### 1.A.3 ISLANDS OF LANGERHANS, PHYSIOLOGY RELATED

THE PANCREATIC BETA-CELL RECOGNITION OF INSULIN SECRETAGOGUES. XIII. EFFECTS OF SULPHYDRYL REAGENTS ON CYCLIC AMP. HELLMAN B, IDAHL LA, LERNMARK A, TALJEDAL IB *BIOCHIM BIOPHYS ACTA* 372: 127-34, 4 NOV 74 *ENG*

EFFECT OF DAMAGE TO THE VENTROMEDIAL HYPOTHALAMIC NUCLEI ON THE STATE OF THE PANCREATIC ISLETS IN RATS ON A RESTRICTED DIET. LAZARUS YAA, GOLDBERG RS, OSINA PI *BULL EXP BIOL MED* 77: 372-4, OCT 74 *ENG*

MEDICAL STUDENTS ON THE MARCH: BROWN, MACCALLUM AND OPIE. HARVEY *AM JOHNS HOPKINS MED J* 134: 330-45, JUN 74 *ENG*

THE PANCREATIC BETA-CELL RECOGNITION OF INSULIN SECRETAGOGUES: DOES CYCLIC AMP MEDIATE THE EFFECT OF GLUCOSE HELLMAN B, IDAHL LA, LERNMARK A, TALJEDAL IB *PROC NATL ACAD SCI USA* 71: 3405-9, SEP 74 *ENG*

[EXPLORATION OF BETA-INSULAR FUNCTION WITH CONTINUOUS DETERMINATION OF BLOOD SUGAR AND BLOOD INSULIN] CAMILLA C, CRISTANI A, ZANDOMENEGHI R *QUAD SCLAVO DIAGN* 10: 181-8, MAR 74 *ITA*

EFFECT OF ETHANOL AND ITS METABOLITES ON INSULIN SECRETION. BIVENS CH, FELDMAN JM *Q J STUD ALCOHOL* 35: 635-48, JUN 74 *ENG*

[OBESITY AND DIABETES] GENES SG *TER ARKH* 46: 56-63, 1974 *RUS*

INSULIN SECRETION IN HYPERLIPOPROTEINEMIAS. TIENGO A, MUGGEO M, FEDELE D, MARCHIORI E, CREPALDI G *ACTA DIABETOL LAT* 11: 148-64, MAR-APR 74 *ENG*

ADAPTATION TO FASTING IN BABOON. I. INFLUENCE OF FEEDING SCHEDULE. KOERKER DJ, GOODNER CJ, TOIVOLA PT, GALE CC, ENSINCK JW *AM J PHYSIOL* 227: 520-30, SEP 74 *ENG*

[FUNCTIONAL MORPHOLOGY OF THE PANCREATIC ISLETS IN RATS WITH ISOLATION OF THE MEDIO-BASAL AREA OF THE HYPOTHALAMUS] AKMAEV IG, RABKINA AE, KABOLOVA ZA *ARKH ANAT GISTOL EMBRIOL* 67: 59-64, AUG 74 *RUS*

[SUBMICROSCOPIC STUDIES OF GRANULE FORMATION AND SECRETIONS OF THE ISLET CELLS OF THE PANCREAS DUE TO THE EFFECTS OF TESTOSTERONE PROPIONATE] PUZYREV AA, IVANOVA VF *ARKH ANAT GISTOL EMBRIOL* 67: 69-73, AUG 74 *RUS*

#### 1.A.4 ISLANDS OF LANGERHANS, PHARMACOLOGY RELATED

THE PANCREATIC BETA-CELL RECOGNITION OF INSULIN SECRETAGOGUES. XIII. EFFECTS OF SULPHYDRYL REAGENTS ON CYCLIC AMP. HELLMAN B, IDAHL LA, LERNMARK A, TALJEDAL IB *BIOCHIM BIOPHYS ACTA* 372: 127-34, 4 NOV 74 *ENG*

INTERACTION OF NA& AND MG2& WITH CA2& IN PANCREATIC ISLETS AS VISUALIZED BY CHLOROTETRACYCLINE FLUORESCENCE. TALJEDAL IB *BIOCHIM BIOPHYS ACTA* 372: 154-61, 4 NOV 74 *ENG*

AMINO ACID CONTENT AS INDICATOR OF MEMBRANE PERMEABILITY IN PANCREATIC BETA-CELLS. GYLFE E *HORM RES* 5: 339-43, 1974 *ENG*

[SUBMICROSCOPIC STUDIES OF GRANULE FORMATION AND SECRETIONS OF THE ISLET CELLS OF THE PANCREAS DUE TO THE EFFECTS OF TESTOSTERONE PROPIONATE] PUZYREV AA, IVANOVA VF *ARKH ANAT GISTOL EMBRIOL* 67: 69-73, AUG 74 *RUS*

## 1.B PANCREAS

### 1.A.5 ISLANDS OF LANGERHANS, PATHOLOGY RELATED

[MORPHOLOGICAL CHANGES IN THE PANCREAS AND ISLANDS OF LANGERHANS IN RATS DURING INDUCED HYPERGLYCEMIA AND HYPOGLYCEMIA] OROFINO G, BIGOTI A *CLIN TER* 70: 545-9, 30 SEP 74 *ITA*

ISLET CELL HYPERINSULINISM IN ADULTS AND CHILDREN. LIECHTY RD, ALSEVER RN, BURRINGTON J *JAMA* 230: 1538-43, 16 DEC 74 *ENG*

CASE RECORDS OF THE MASSACHUSETTS GENERAL HOSPITAL. WEEKLY CLINICOPATHOLOGICAL EXERCISES. CASE 1-1975. Anonymous *N ENGL J MED* 292: 35-41, 2 JAN 75 *ENG*

NECROLYTIC MIGRATORY ERYTHEMA WITH GLUCAGON-SECRETING TUMOUR OF THE PANCREAS. WARIN AP *PROC R SOC MED* 67: 1008-10, OCT 74 *ENG*

DIAGNOSIS AND MANAGEMENT OF INSULINOMA. GIDDINGS AE *PROC R SOC MED* 67: 833-6, SEP 74 *ENG*

[RELATIONSHIP OF CHRONIC PANCREATITIS AND CANCER OF THE PANCREAS] MIKHAILICHENKO VA, BRUK BB, ROVENSKAIA NM, TAMARKIN MA *VOPR ONKOL* 20: 57-61, 1974 *RUS*

ADOPTIVE TRANSFER OF IMMUNODIABETES IN GUINEA PIG. KORCAKOVA L, TITLBACH M, NOUZA K *ACTA DIABETOL LAT* 11: 112-35, MAR-APR 74 *ENG*

FASTING HYPOGLYCEMIA, HYPERCALCEMIA AND HYPERPROLACTINEMIA. MULTIPLE ENDOCRINE NEOPLASIA, TYPE 1 Anonymous *AM J MED* 57: 611-9, OCT 74 *ENG*

INSULIN DEGRADATION IN INSULINOMA: EVIDENCE FOR THE OCCURRENCE OF AN INACTIVE FORM OF GLUTATHIONE-INSULIN TRANSHYDROGENASE AND FOR THE ABSENCE OF INSULIN A AND B CHAINS DEGRADING PROTEASE(S). VARANDANI PT *BIOCHEM BIOPHYS RES COMMUN* 60: 1119-26, 8 OCT 74 *ENG*

EDITORIAL: ISLET CELL TUMOURS OF THE PANCREAS. Anonymous *CAN MED ASSOC J* 110: 1331, 22 JUN 74 *ENG*

STREPTOZOTOCIN TREATMENT FOR MALIGNANT INSULINOMA. O'DONNELL J, ALLEN IV, HUNTER JC, MCILRATH EM, MONTGOMERY DA *IR J MED SCI* 143: 137-44, MAY 74 *ENG*

## 1.B PANCREAS

PRESENCE OF GLUCAGON IMMUNOREACTIVITY IN THE GLOBULIN FRACTION OF HUMAN PLASMA (BIG PLASMA GLUCAGON). VALVERDE I, VILLANUEVA ML, LOZANO I, MARCO J *J CLIN ENDOCRINOL METAB* 39: 1090-8, DEC 74 *ENG*

PRODUCTION AND EVALUATION OF GLUCAGON ANTIBODIES FOR RADIOIMMUNOASSAY. HOLST JJ, AASTED B *ACTA ENDOCRINOL (KBH)* 77: 715-26, DEC 74 *ENG*

### 1.B.1 PANCREAS, ANATOMY RELATED

GLUCOSE MODULATION OF AMINO ACID-INDUCED GLUCAGON AND INSULIN RELEASE IN THE ISOLATED PERFUSED RAT PANCREAS. PAGLIARA AS, STILLINGS SN, HOVER B, MARTIN DM, MATSCHINSKY FM *J CLIN INVEST* 54: 819-32, OCT 74 *ENG*

CHARACTERIZATION OF THE EFFECTS OF ARGININE AND GLUCOSE ON GLUCAGON AND INSULIN RELEASE FROM THE PERFUSED RAT PANCREAS. GERICH JE, CHARLES MA, GRODSKY GM *J CLIN INVEST* 54: 833-41, OCT 74 *ENG*

### 1.B.2 PANCREAS, BIOCHEMISTRY RELATED

THE IDENTIFICATION OF PROINSULIN-SYNTHESIZING POLYSOMES IN FETAL BOVINE PANCREAS. HEW CL, YIP CC *CAN J BIOCHEM* 52: 959-65, NOV 74 *ENG*

CHICKEN INSULIN: RADIOIMMUNOLOGICAL CHARACTERIZATION AND ENHANCED ACTIVITY IN RAT FAT CELLS AND LIVER PLASMA MEMBRANES. SIMON J, FREYCHET P, ROSSELIN G *ENDOCRINOLOGY* 95: 1439-49, NOV 74 *ENG*

INHIBITION OF PANCREATIC GLUCAGON RESPONSES TO ARGININE BY SOMATOSTATIN IN NORMAL MAN AND IN INSULIN-DEPENDENT DIABETICS. GERICH JE, LORENZI M, SCHNEIDER V, KWAN CW, KARAM JH, GUILLEMIN R, FORSHAM PH *DIABETES* 23: 876-80, NOV 74 *ENG*

DIABETOGENIC EFFECT OF STREPTOZOTOCIN IN THE RAT DURING THE PERINATAL PERIOD. PORTH B, LEVACHER C, PICON L, ROSSELIN G *DIABETES* 23: 889-95, NOV 74 *ENG*

INFLUENCE OF GLUCAGON ON THE HUMAN JEJUNUM. HICKS T, TURNBERG LA *GASTROENTEROLOGY* 67: 1114-8, DEC 74 *ENG*

IRON STORAGE DISORDERS OF THE LIVER. GRACE ND, POWELL LW *GASTROENTEROLOGY* 67: 1257-83, DEC 74 *ENG* [300]

PLASMA GLUCAGON AND INSULIN IN RAT PREGNANCY. ROLES IN GLUCOSE HOMEOSTASIS. SAUDEK CD, FINKOWSKI M, KNOPP RH *J CLIN INVEST* 55: 180-7, JAN 75 *ENG*

EFFECT OF A HIGH-FAT DIET ON PANCREATIC INSULIN RELEASE, GLUCOSE TOLERANCE AND HEPATIC GLUCONEOGENESIS IN MALE RATS. BLAZQUEZ E, CASTRO M, HERRERA E *REV ESP FISIOLOG* 27: 297-304, DEC 71 *ENG*

GLUCOSE-INDUCED INSULIN SECRETION AND PATTERN OF EXOCRINE PANCREATIC ENZYMES IN THE RAT FOLLOWING ORAL AND PARENTERAL TRYPSIN INHIBITOR ADMINISTRATION. IHSE I, ARNESJO B, LUNDQUIST I *SCAND J GASTROENTEROL* 9: 719-24, NOV 74 *ENG*

THE INFLUENCE OF GLUCAGON ON ACUTE EXPERIMENTAL PANCREATITIS IN THE RAT. LANKISCH PG, WINCKLER K, BOKER-MANN M, SCHMIDT H, CREUTZFELDT W *SCAND J GASTROENTEROL* 9: 725-9, NOV 74 *ENG*

[DISC-ELECTROPHORESIS OF MULTIPLE FORMS OF ARYLAMIDASE. STUDIES ON HUMAN ARYLAMIDASES. I (AUTHORS TRANSL.) LORENTZ K, MARUNOWSKI A, RITTER U *Z KLIN CHEM KLIN BIOCHEM* 12: 468-73, OCT 74 *GER*

TRANSPORT AND OXIDATION OF AMINO ACIDS AND GLUCOSE IN THE ISOLATED

EXOCRINE MOUSE PANCREAS: EFFECTS OF INSULIN AND PANCREOZYMIN. DANIELSSON A, SEHLIN J *ACTA PHYSIOL SCAND* 91: 557-65, AUG 74 *ENG*

EFFECT OF ADDING SUGARS TO A CARBOHYDRATE-FREE DIET ON INTESTINAL DISACCHARIDASE ACTIVITIES IN THE YOUNG CALF. BRITT DG, HUBER JT *J DAIRY SCI* 57: 420-6, APR 74 *ENG*

### 1.B.3 PANCREAS, PHYSIOLOGY RELATED

THE HYPERGLYCEMIC EFFECT OF 1-DEOXY-D-MANNO-HEPTULOSE. INHIBITION OF HEXOKINASE, GLUCOKINASE, AND INSULIN RELEASE IN VITRO. LESHEM B, SHARONI Y, DIMANT E *CAN J BIOCHEM* 52: 1078-81, NOV 74 *ENG*

INSULIN SECRETION INDUCED BY NA& DEPRIVATION. GRIFFEY MA, CONAWAY HH, WHITNEY JE *ENDOCRINOLOGY* 95: 1469-72, NOV 74 *ENG*

EFFECT OF GLIPIZIDE ON THE RELEASE OF INSULIN IN THE PERFUSED RAT PANCREAS IN VITRO. TASAKA Y, SEKINE M, SUGIMOTO C, OGAWARA H, SHIZUME K *ENDOCRINOL JPN* 21: 279-81, JUN 74 *ENG*

DYNAMICS OF INSULIN RELEASE AND MICROTUBULAR-MICROFILAMENTOUS SYSTEM. IV. EFFECT OF COLCHICINE UPON SULFONYLUREA-INDUCED INSULIN SECRETION. VAN OBERGHEN E, DEVIS G, SOMERS G, RAVAZZOLA M, MALAISSE-LAGAE F, MALAISSE WJ *EUR J CLIN INVEST* 4: 307-12, OCT 74 *ENG*

DYNAMICS OF INSULIN RELEASE AND MICROTUBULAR-MICROFILAMENTOUS SYSTEM. V. A MODEL FOR THE PHASIC RELEASE OF INSULIN. MALAISSE WJ, VAN OBERGHEN E, DEVIS G, SOMERS G, RAVAZZOLA M *EUR J CLIN INVEST* 4: 313-8, OCT 74 *ENG*

GLUCOSE MODULATION OF AMINO ACID-INDUCED GLUCAGON AND INSULIN RELEASE IN THE ISOLATED PERFUSED RAT PANCREAS. PAGLIARA AS, STILLINGS SN, HOVER B, MARTIN DM, MATSCHINSKY FM *J CLIN INVEST* 54: 819-32, OCT 74 *ENG*

CHARACTERIZATION OF THE EFFECTS OF ARGININE AND GLUCOSE ON GLUCAGON AND INSULIN RELEASE FROM THE PERFUSED RAT PANCREAS. GERICH JE, CHARLES MA, GRODSKY GM *J CLIN INVEST* 54: 833-41, OCT 74 *ENG*

THE VAGUS AND THE CONSEQUENCES OF VAGOTOMY. KENNEDY T *MED CLIN NORTH AM* 58: 1231-46, NOV 74 *ENG* [90]

ENTEROGASTRONE AND OTHER NEW GUT PEPTIDES. BROWN JC *MED CLIN NORTH AM* 58: 1347-58, NOV 74 *ENG* [71]

[BLOOD INSULIN IN PATIENTS WITH CHRONIC PANCREATITIS] PIETEROWA R, SZCZECINSKA O, TORZECKA W, POLAKOWSKI P *POL ARCH MED WEWN* 52: 493-502, NOV 74 *POL*

NECROLYTIC MIGRATORY ERYTHEMA WITH GLUCAGON-SECRETING TUMOUR OF THE PANCREAS. WARIN AP *PROC R SOC MED* 67: 1008-10, OCT 74 *ENG*

SOME ASPECTS OF CARBOHYDRATE METABOLISM FOLLOWING SURGERY. CLARK RG *PROC R SOC MED* 67: 831-3, SEP 74 *ENG*

## 1.C INSULIN

[DYNAMICS OF THE EXOCRINE FUNCTION OF THE PANCREAS IN PATIENTS WITH DIABETES MELLITUS DURING TREATMENT WITH INSULIN AND BUCARBAN] KALININA NA, NESTEROVA ED *TER ARKH* 46: 74-7, 1974 *RUS*

ADAPTATION TO FASTING IN BABOON. I. INFLUENCE OF FEEDING SCHEDULE. KOERKER DJ, GOODNER CJ, TOIVOLA PT, GALE CC, ENSINCK JW *AM J PHYSIOL* 227: 520-30, SEP 74 *ENG*

[INSULIN EFFECT AFTER VAGOTOMY ON THE EXTERNAL PANCREATIC AND BILE SECRETIONS IN THE RAT] VAILLE C, DEBRAY C, DE LA TOUR J, ROZE C, SOUCHARD M *ANN PHARM FR* 32: 147-53, FEB 74 *FRE*

REVERSAL OF SOMATOSTATIN INHIBITION OF INSULIN SECRETION BY CALCIUM. CURRY DL, BENNETT LL *BIOCHEM BIOPHYS RES COMMUN* 60: 1015-9, 8 OCT 74 *ENG*

HYPOGLYCAEMIC AND RELATED ACTIVITIES OF A NEW PYRAZOLOPYRIDINE DERIVATIVE (SQ 65,993). POLACEK I, SCHULZE E, BURG H, OUART J *ARZNEIM FORSCH* 24: 1242-7, SEP 74 *ENG*

THE NEUROENDOCRINE DESIGN OF THE GUT. THE PLAY OF CHEMICALS IN A CHEMICAL PLAYGROUND. MAKHLIOUF GM *GASTROENTEROLOGY* 67: 159-84, JUL 74 *ENG* [257]

### 1.B.4 PANCREAS, PHARMACOLOGY RELATED

THE HYPERGLYCEMIC EFFECT OF 1-DEOXY-D-MANNO-HEPTULOSE. INHIBITION OF HEXOKINASE, GLUCOKINASE, AND INSULIN RELEASE IN VITRO. LESHEM B, SHARONI Y, DIMANT E *CAN J BIOCHEM* 52: 1078-81, NOV 74 *ENG*

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MICROSOMAL ACETYLESTERASE ACTIVITY IN TUMOR-BEARING RATS. NAKATA Y, OKAGAWA K, SAKAMOTO Y *GANN* 65: 367-9, AUG 74 ENG

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TISSUE LIPID PATTERN, TISSUE LIPOPROTEIN LIPASE ACTIVITY AND EFFECT OF ADMINISTRATION OF INSULIN AND TOLBUTAMIDE ON THE TISSUE LIPID LEVELS IN ALLOXAN DIABETIC RATS. MALATHY K, KURUP PA *INDIAN J BIOCHEM BIOPHYS* 9: 243-6, SEP 72 ENG

INHIBITION OF HEPATIC DRUG METABOLISM BY CYCLIC 3,5-ADENOSINE MONOPHOSPHATE. WEINER M, BUTERBAUGH GG, BLAKE DA *RES COMMUN CHEM PATHOL PHARMACOL* 3: 249-63, MAR 72 ENG

MALTOSE METABOLISM IN DIABETIC STATE. TOYOTA T, GOTO Y, SATO S, SHIMOJO Y, TAKAHASHI K *TOHOKU J EXP MED* 114: 61-9, SEP 74 ENG

AN INFLUENCE OF INSULIN ON THE EFFECT OF PROSTIGMIN IN HEALTHY MICE AND IN MICE WITH ALLOXAN-INDUCED DIABETES MELLITUS. MONIUSZKO-JAKONIUK J *ACTA PHYSIOL POL* 25: 497-508, SEP-OCT 74 ENG

INTESTINAL ADAPTATION IN DIABETES: AMINO ACID ABSORPTION. LAL D, SCHEDL HP *AM J PHYSIOL* 227: 827-31, OCT 74 ENG

EFFECTS OF ALLOXAN DIABETES ON DUODENAL CALCIUM-BINDING PROTEIN IN THE RAT. SCHNEIDER LE, WILSON HD, SCHEDL HP *AM J PHYSIOL* 227: 832-8, OCT 74 ENG

THE EFFECT OF GLIBENCLAMIDE ON TWO ENZYMES IMPORTANT IN GLUCONEOGENESIS. FOY JM, STANDING VF *ARZNEIM FORSCH* 24: 1279-82, SEP 74 ENG

##### 1.F.10.2.5 ALLOXAN DIABETES, PATHOLOGY

[PATHOGENESIS AND PROPHYLAXIS OF DIABETIC MICRO-ANGIOPATHY (AUTHORS TRANSL)] MEHNERT H *DTSCH MED WOCHENSCHR* 99: 2418-21, 22 NOV 74 GER [18]

MECHANISM OF ALLYLISOPROPYLACETAMIDE-INDUCED INCREASE OF DELTA-AMINOLEVULINATE SYNTHETASE IN LIVER MITOCHONDRIA. EFFECTS OF ADMINISTRATION OF GLUCOSE, CYCLIC AMP, AND SOME HORMONES RELATED TO GLUCOSE METABOLISM. KIM HJ, KIKUCHI G *ARCH BIOCHEM BIOPHYS* 164: 293-304, SEP 74 ENG

##### 1.F.10.2.6 ALLOXAN DIABETES, PHYSIOPATHOLOGY

#### 1.F.11 DIABETES, VETERINARY

THE DEVELOPMENT OF DIABETES IN THE TUCO-TUCO (CTENOMYS TALARUM). WEIR BJ *FROC R SOC MED* 67: 843-6, SEP 74 ENG

#### 1.F.12 DIABETES, HISTORY

## SECTION 2. ENDOCRINOLOGY AND RELATED TOPICS

### 2.A ENDOCRINE PANCREAS

#### 2.A.1 ISLETS (SEE SEC. 1.A)

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#### 2.A.3 GLUCAGON (SEE SEC. 1.D)

### 2.B ADRENAL GLANDS

**IRON STORAGE DISORDERS OF THE LIVER.** GRACE ND, POWELL LW *GASTROENTEROLOGY* 67: 1257-83, DEC 74 ENG [300]

**VASOPRESSIN.** HAYS RM, LEVINE SD *KIDNEY INT* 6: 307-22, NOV 74 ENG [152]

**EFFECT OF A HIGH-FAT DIET ON PANCREATIC INSULIN RELEASE, GLUCOSE TOLERANCE AND HEPATIC GLUCONEOGENESIS IN MALE RATS.** BLAZQUEZ E, CASTRO M, HERRERA E *REV ESP FISIOLOG* 27: 297-304, DEC 71 ENG

**BINDING OF LUTEINIZING HORMONE AND HUMAN CHORIONIC GONADOTROPHIN TO OVARIAN CELLS AND ACTIVATION OF ADENYLATE CYCLASE.** KOCH Y, ZOR U, CHOBSIENG P, LAMPRECHT SA, POMERANTZ S, LINDNER HR *N ENGL J MED* 291: 179-91, 11 JUN 74 ENG

#### 2.B.1 ADRENAL CORTEX

#### 2.B.2 ADRENAL CORTEX HORMONES

**[PHARMACOLOGICAL THERAPY IN OLD AGE]** VAN HEERSWYNGHEL J *BRUX MED* 54: 205-12, APR 74 FRE

**[DRUG INDUCED ENDOCRINE AND METABOLIC SIDE EFFECTS]** TORSTI P *DUODECIM* 90: 1352-9, 1974 FIN [73]

**[HORMONAL REGULATION OF METABOLISM IN AMPHIBIA (AUTHORS TRANSL)]** HANKE W *FORTSCHR ZOOL* 22: 431-55, 1974 GER

**FEEDING THE BABY--DESIGNING THE CULTURE MILIEU TO ENHANCE CELL STABILITY.** WAYMOUTH C *J NATL CANCER INST* 53: 1443-8, NOV 74 ENG [99]

**[CIRCADIAN RHYTHMS IN THE HUMAN BIOLOGICAL FLUIDS (AUTHORS TRANSL)]** GEMBA T *JPN J CLIN PATHOL* 22: 59-81, AUG 74 JPN [63]

**METABOLIC AND ENDOCRINE CHANGES IN AEROBATIC FLIGHT.** PINTER EJ *AEROSP MED* 45: 1159-63, OCT 74 ENG

**PROCEEDINGS: CORTICOSTEROID FEEDBACK AT THE PITUITARY LEVEL.** BRUSH FR, DALLMAN M, JONES MT, TIPTAFT E *N ENGL J MED* 291: LXIV-LXV, 11 JUN 74 ENG

#### 2.B.2.1 GLUCOCORTICOIDS

**GROWTH HORMONE STUDIES IN PATIENTS WITH RHEUMATOID ARTHRITIS WITH OR WITHOUT GLUCOCORTICOID THERAPY.** BUTENANDT O, KELCH A, RAJMAN E *Z KINDERHEILKD* 118: 53-62, 1974 ENG

**CLINICAL STAGING IN REYE SYNDROME.** LOVEJOY FH JR, SMITH AL, BRESNAN MJ, WOOD JN, VICTOR DI, ADAMS PC *AM J DIS CHILD* 128: 36-41, JUL 74 ENG

#### 2.B.2.1.1 CORTISONE

**EVIDENCE FOR A DIRECT EFFECT OF THYROTROPIN-RELEASING HORMONE (TRH) ON PROLACTIN RELEASE IN HUMANS.** LISTER RC, UNDERWOOD LE, MARSHALL RN, FRIESEN HG, VAN WYK JJ *J CLIN ENDOCRINOL METAB* 39: 1148-50, DEC 74 ENG

#### 2.B.2.1.2 HYDROCORTISONE

**[MEASUREMENT OF PLASMA CORTISOL THROUGH RADIOCOMPETITION IN THE INSULIN STIMULATION TEST IN CHILDREN]** BRESSOT N, GOURDON J, ROCHEFORT H, DUMAS R, CRASTES DE PAULET A *BIOMEDICINE [EXPRESS]* 21: 135-9, 20 MAR 74 FRE

**SPECIFIC INHIBITION BY SOMATOSTATIN OF GROWTH HORMONE RELEASE AFTER HYPOGLYCAEMIA IN NORMAL MAN.** COPINSCHI G, VIRASORO E, VANHAELST L, LECLERCQ R, GOLSTEIN J, LHERMITE M *CLIN ENDOCRINOL (OXF)* 3: 411-5, OCT 74 ENG

**MICROSOMAL ACETYLESTERASE ACTIVITY IN TUMOR-BEARING RATS.** NAKATA Y, OKAGAWA K, SAKAMOTO Y *GANN* 65: 367-9, AUG 74 ENG

**ANTERIOR PITUITARY FUNCTION IN THE PRADER-LABHART-WILLI (PLW) SYNDROME.** TOLIS G, LEWIS W, VERDY M, FRIESEN HG, SOLOMON S, PAGALIS G, PAVLATOS F, FESSAS P, ROCHEFORT JG *J CLIN ENDOCRINOL METAB* 39: 1061-6, DEC 74 ENG

**SLEEP EEG STAGES AND PLASMA GROWTH HORMONE CONCENTRATION IN STATES OF ENDOGENOUS AND EXOGENOUS HYPERCORTISOLEMIA OR ACTH ELEVATION.** KRIEGER DT, GLICK SM *J CLIN ENDOCRINOL METAB* 39: 986-1000, DEC 74 ENG

**GROWTH HORMONE RESPONSES TO HYPOGLYCAEMIA IN WOMEN WITH SECONDARY AMENORRHOEA.** HIPKIN LJ, DAVIS JC, SUMMERS VK, BENDER S, EASTMOND C *J REPROD FERTIL* 40: 375-8, OCT 74 ENG

**CHEMICAL CARCINOGEN-INDUCED ALVEOLAR NODULES IN ORGAN CULTURE OF MOUSE MAMMARY GLAND.** BANERJEE MR, WOOD BG, WASHBURN LL *J NATL CANCER INST* 53: 1387-93, NOV 74 ENG

**DISSOCIATION OF INCREASED HEXOSE TRANSPORT FROM INITIATION OF FIBROBLAST PROLIFERATION.** THRASH CR, CUNNINGHAM DD *NATURE* 252: 45-7, 1 NOV 74 ENG

**THYROIDECTOMY AND COMBINED THYROXINE-CORTISOL THERAPY. THEIR EFFECTS ON BLOOD SUGAR, SERUM IMMUNOREACTIVE INSULIN AND FREE FATTY ACIDS DURING AN ORAL GLUCOSE TOLERANCE TEST.** RENAULT A, SVERDLIK RC *ACTA DIABETOL LAT* 11: 96-105, MAR-APR 74 ENG

**THE EFFECT OF L-DOPA ON THE BLOOD CONCENTRATIONS OF GROWTH HORMONE, THYROTROPIN, GONADOTROPHINS, CORTISOL AND GLUCOSE IN CHILDREN WITH SHORT STATURE.** NILSSON KO, THORELL JI *ACTA PAEDIATR SCAND* 63: 812-6, NOV 74 ENG

**CLINICAL ASPECTS OF NEONATAL HYPOGLYCAEMIA.** FLUGE G *ACTA PAEDIATR SCAND* 63: 826-32, NOV 74 ENG

**ADAPTATION TO FASTING IN BABOON. I. INFLUENCE OF FEEDING SCHEDULE.** KOERKER DJ, GOODNER CJ, TOIVOLA PT, GALE CC, ENSINCK JW *AM J PHYSIOL* 227: 520-30, SEP 74 ENG

**SERIAL PLASMA GROWTH HORMONE CONCENTRATION DURING SELECTIVE REMOVAL OF PITUITARY TUMORS IN ACROMEGALY.** ALLEN JP, COOK DM, GREER MA, PAXTON H, CASTRO A *J NEUROSURG* 41: 38-43, JUL 74 ENG

**STUDIES ON A SPECIFIC GLUCOCORTICOID-HORMONE RECEPTOR IN THE DEVELOPING CHICK RETINA.** WIGGERT BO, CHADER GJ *EXP EYE RES* 18: 477-84, MAY 74 ENG

**A NEW APPROACH FOR INVESTIGATING HYPOTHALAMO-PITUITARY-GONADAL AND ADRENAL FEEDBACK CONTROL MECHANISMS: ACTIVE IMMUNIZATION WITH STEROIDS.** NIESCHLAG E, USADEL KH, KLEY HK, SCHWEDES U, SCHOFFLING K, KRUSKEMPER HL *ACTA ENDOCRINOL (KBH)* 76: 556-69, JUL 74 ENG

**THE EFFECTS OF PHENOTHIAZINES ON ENDOCRINE FUNCTION: II. EFFECTS IN MEN AND POST-MENOPAUSAL WOMEN.** BEUMONT PJ, CORKER CS, FRIESEN HG, KOLAKOWSKA T, MANDELBORE M, MARSHALL J, MURRAY MA, WILES DH *BR J PSYCHIATRY* 124: 420-30, MAY 74 ENG

#### 2.B.2.1.3 OTHER GLUCOCORTICOIDS

**[MEASUREMENT OF PLASMA CORTISOL THROUGH RADIOCOMPETITION IN THE INSULIN STIMULATION TEST IN CHILDREN]** BRESSOT N, GOURDON J, ROCHEFORT H, DUMAS R, CRASTES DE PAULET A *BIOMEDICINE [EXPRESS]* 21: 135-9, 20 MAR 74 FRE

**[LETTER: PROGREDIENT LIVER CIRRHOSIS IN CHRONIC LYMPHATIC LEUKEMIA]** HUNOLD W *DTSCH MED WOCHENSCHR* 99: 2131, 18 OCT 74 GER

**ONTOGENY OF RAT HEPATIC GLUCOCORTICOID RECEPTORS.** FELDMAN D *ENDOCRINOLOGY* 95: 1219-27, NOV 74 ENG

**ANTERIOR PITUITARY FUNCTION IN THE PRADER-LABHART-WILLI (PLW) SYNDROME.** TOLIS G, LEWIS W, VERDY M, FRIESEN HG, SOLOMON S, PAGALIS G,

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PSYCHIATRIC SIDE EFFECTS OF  
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*SEMIN PSYCHIATRY* 3: 406-20, NOV 71 ENG

[EXPERIENCE WITH IMMUNOSUPPRESSIVE  
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HEPATITIS] SHIMELPFENIG V, VAGNER K,  
TOIER D, SHNAIDER G, KHEKHT A,  
SHIMELPFENIG R *VUTR BOLES* 11: 120-3,  
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GAGS G, BEREND K *ACTA ENDOCRINOL*  
(KBH) 77: 699-704, DEC 74 ENG

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HOFFELT ID, SCHNEIDER V, BECKER N,  
KARAM IH, SLYMOUR RJ, ADAMS JE,  
FORSHAM PH *AM J MED* 57: 526-35, OCT 74  
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U *AM J PHYSIOL* 227: 851-3, OCT 74 ENG

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*BIOPHYS* 164: 52-9, SEP 74 ENG

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PB, MALGHERI JA, WARD WF, POINTER RH,  
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### 2.B.2.2 MINERALOCORTICOIDS

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*CANCER INST* 53: 1387-93, NOV 74 ENG

[THE EFFECT OF DRUGS ON THE EN-  
DOCRINE FUNCTION TESTS (AUTHORS  
TRANSL)] SUZUKI H, NAKAGAWA K,  
NAKAYAMA H, KUNITA H, HATA S *JPN J*  
*CLIN PATHOL* 22: 326-51, AUG 74 JPN [296]

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CLEMMONS JE, VAGNUCCI AH, LEVISON  
SP, WHANG ES *METABOLISM* 23: 1157-66,  
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SION (THE POSSIBLE PRIMARY DEFICIEN-  
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5: 146-59, OCT-DEC 74 RUS [99]

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KH, KLEY HK, SCHWEDES U, SCHOFFLING  
K, KRUSKEMPER HL *ACTA ENDOCRINOL*  
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## 2.B.3 ADRENAL MEDULLA

### 2.B.3.1 EPINEPHRINE

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TION OF UNESTERIFIED FATTY ACID  
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*J PHARMACOL* 50: 197-204, FEB 74 ENG

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OF A ROLE FOR ADENOSINE-3,5-CYCLIC  
MONOPHOSPHATE. KIRK CJ, HEMS DA  
*FEBS LETT* 47: 128-31, 1 OCT 74 ENG

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HANKE W *FORTSCHR ZOOL* 22: 431-53,  
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[ROLE OF THE THROMBOCYTES IN THE  
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GROMNATSKII NI *KARDIOLOGIJA* 14: 62-6,  
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A ROLE OF CYCLIC AMP MANNUCCI PM  
*THROMB RES* 4: 539-49, APR 74 ENG

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G *ARCH BIOCHEM BIOPHYS* 164: 293-304,  
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LA PERTUSSIS VACCINE. SEN DK, ARORA  
S, GUPTA S, SANYAL RK J *ALLERGY CLIN*  
*IMMUNOL* 54: 25-31, JUL 74 ENG

[ACTION OF CATECHOLAMINES ON THE AT-  
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MITOCHONDRIA] GLEBOV RN,  
DMITRIEVA NM *BIOKHIMIJA* 38: 696-9,  
JUL-AUG 73 RUS

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HYPERKALEMIA AND HYPERGLYCEMIA.  
9. TSUZUKI K, NAKASHIMA T, KUROGOCHI  
Y *JAP J PHARMACOL* 24: S096, 1974 ENG

[STATE OF CATECHOLAMINE AND DOPA  
EXCRETION IN METABOLIC-ALIMENTARY  
OBESITY] FROLOVA IA, BEIUL EA, VOL-  
KOVA IS, SIROTA II *VOPR MED KHIM* 20:  
257-65, MAY 74 RUS

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ROPATHY. POST EJ, MCLEOD JG *PROC*  
*AUST ASSOC NEUROL* 10: 109-15, 1973 ENG

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FERENT PERIODS OF TIME. DAS HK,  
GHOSH NC *AEROSP MED* 45: 716-20, JUL 74  
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*DIETSCH Z VERDAU STOFFWECHSELKR* 33:  
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STRONG KJ, STOUFFER JE *ARCH BIOCHEM*  
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[PERIPHERAL RECEPTORS OF AUTONOMIC  
NERVOUS SYSTEMS] LECOMTE J,  
JUCHMES J, CESSION-FOSSION A *REV MED*  
*LIEGE* 29: 319-28, 1 JUN 74 FRE

HYPERGLYCAEMIA PRODUCED BY THE  
VENOM OF THE SOUTH INDIAN SCORPION,  
H. SCABER. NAIR RB, KURUP PA *INDIAN J*  
*BIOCHEM BIOPHYS* 10: 232, SEP 73 ENG

### 2.B.3.2 NOREPINEPHRINE

THE EFFECTS OF CATECHOLAMINES, GLU-  
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RAT. HAHN P, KIRBY LT *CAN J BIOCHEM*  
52: 739-43, SEP 74 ENG

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LIPOPROTEIN-TRIGLYCERIDES IN THE IN-  
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NAITO C, TOGAWA K *J CLIN ENDOCRINOL*  
*METAB* 39: 1030-7, DEC 74 ENG

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OF INSULIN, GLUCOSE AND FREE FATTY  
ACIDS. ROBERTSON RP, GUEST RJ  
*PROSTAGLANDINS* 8: 231-40, 10 NOV 74  
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FLUENCE OF FEEDING SCHEDULE.  
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PROSTAGLANDIN E<sub>1</sub>, E<sub>2</sub> AND N<sup>6</sup>-PHENYLISOPROPYLADENOSINE. STOCK K, PRILLOP M NAUNYN SCHMIEDEBERGS ARCH PHARMACOL 282: 15-31, 1974 ENG

[STUDIES ON EPINEPHRINE- AND NOREPINEPHRINE-STIMULATED FFA (FREE FATTY ACID) MOBILIZATION IN VITRO AND IN HUMAN FATTY TISSUE FROM VARIOUS REGIONS] RATZMANN KP DTSCH Z VERDAU STOFFWECHSELKR 33: 137-40, 1973 GER

[PERIPHERAL RECEPTORS OF AUTONOMIC NERVOUS SYSTEMS] LECOMTE J, JUCHMES J, CESSON-FOSSION A REV MED LIEGE 29: 319-28, 1 JUN 74 FRE

### 2.B.4 ADRENALECTOMY

ORAL HYPOGLYCEMIC AGENTS: 1-4-CARBOXYPHENYLPIRROLES. SUGIHARA H, MATSUMOTO N, HAMURO Y, KAWAMATSU Y ARZNEIM FORSCH 24: 1560-3, OCT 74 ENG

A NEW APPROACH FOR INVESTIGATING HYPOTHALAMO-PITUITARY-GONADAL AND ADRENAL FEEDBACK CONTROL MECHANISMS: ACTIVE IMMUNIZATION WITH STEROIDS. NIESCHLAG E, USADEL KH, KLEY HK, SCHWEDES U, SCHOFFLING K, KRUSKEMPER HL ACTA ENDOCRINOL (KBH) 76: 556-69, JUL 74 ENG

PROCEEDINGS: CORTICOSTEROID FEEDBACK AT THE PITUITARY LEVEL. BRUSH FR, DALLMAN M, JONES MT, TIPTAFT E N ENGL J MED 291: LXIV-LXV, 11 JUN 74 ENG

### 2.B.5 ADRENAL DISORDERS

ADDISON'S DISEASE - A REVIEW OF SOME CLINICAL, PATHOLOGICAL AND IMMUNOLOGICAL FEATURES. NERUP J DAN MED BULL 21: 201-17, OCT 74 ENG [154]

EVIDENCE FOR A DIRECT EFFECT OF THYROTROPIN-RELEASING HORMONE (TRH) ON PROLACTIN RELEASE IN HUMANS. LISTER RC, UNDERWOOD LE, MARSHALL RN, FRIESEN HG, VAN WYK JJ J CLIN ENDOCRINOL METAB 39: 1148-50, DEC 74 ENG

SLEEP EEG STAGES AND PLASMA GROWTH HORMONE CONCENTRATION IN STATES OF ENDOGENOUS AND EXOGENOUS HYPERCORTISOLEMIA OR ACTH ELEVATION. KRIEGER DT, GLICK SM J CLIN ENDOCRINOL METAB 39: 986-1000, DEC 74 ENG

ISLET-CELL ANTIBODIES IN DIABETES MELLITUS WITH AUTOIMMUNE POLYENDOCRINE DEFICIENCIES. BOTTAZZO GF, FLORIN-CHRISTENSEN A, DONIACH D LANCET 2: 1279-83, 30 NOV 74 ENG

## 2.C THYROID GLAND

PROCEEDINGS: THYROID-STIMULATING HORMONE BINDING TO HUMAN THYROID MEMBRANES AND SOLUBILIZED RECEPTORS. NUSSEY SS, MEHDI SQ N ENGL J MED 291: LVII, 11 JUN 74 ENG

### 2.C.1 THYROID HORMONES

[COMPARATIVE STUDIES OF THE BEHAVIOR OF BLOOD CALCIUM AND URINARY HYDROXYPROLINE AFTER INFUSION OF

CALCITONIN AND GLUCAGON IN PATIENTS WITH PAGETS DISEASE] LO CASCIO V, LECHI C, ADAMI S, BIANCHI I, COMINACINI L, GALVANINI G BOLL SOC ITAL BIOL SPER 50: 55-61, 31 JAN 74 ITA

[PHARMACOLOGICAL THERAPY IN OLD AGE] VAN HEERSWYNGHELIS J BRUX MED 54: 205-12, APR 74 FRE

DIETARY AND DRUG TREATMENT OF HYPERLIPIDEMIA IN DIABETES. ALBRINK MJ DIABETES 23: 913-8, NOV 74 ENG [63]

[THYROID FUNCTION TESTS: ERYTHROCYTES (ET3) AND RESIN (WZ-T3), THYROXINE IODINE AND THE FREE THYROXINE INDEX IN PREGNANT WOMEN WITH DIABETES MELLITUS, TREATED WITH INSULIN] PISAREK-MIEDZINSKA D, JANCZEWSKA E, CZECH W GINEKOL POL 45: 1169-72, OCT 74 POL

EVIDENCE FOR A DIRECT EFFECT OF THYROTROPIN-RELEASING HORMONE (TRH) ON PROLACTIN RELEASE IN HUMANS. LISTER RC, UNDERWOOD LE, MARSHALL RN, FRIESEN HG, VAN WYK JJ J CLIN ENDOCRINOL METAB 39: 1148-50, DEC 74 ENG

GROWTH HORMONE RESPONSES TO HYPOGLYCAEMIA IN WOMEN WITH SECONDARY AMENORRHOEA. HIPKIN LJ, DAVIS JC, SUMMERS VK, BENDER S, EASTMOND C J REPROD FERTIL 40: 375-8, OCT 74 ENG

[THE EFFECT OF DRUGS ON THE ENDOCRINE FUNCTION TESTS (AUTHORS TRANSL)] SUZUKI H, NAKAGAWA K, NAKAYAMA H, KUNITA H, HATA S JPN J CLIN PATHOL 22: 326-51, AUG 74 JPN [296]

[CIRCADIAN RHYTHMS IN THE HUMAN BIOLOGICAL FLUIDS (AUTHORS TRANSL)] GEMBA T JPN J CLIN PATHOL 22: 59-81, AUG 74 JPN [63]

THYROIDECTOMY AND COMBINED THYROXINE-CORTISOL THERAPY. THEIR EFFECTS ON BLOOD SUGAR, SERUM IMMUNOREACTIVE INSULIN AND FREE FATTY ACIDS DURING AN ORAL GLUCOSE TOLERANCE TEST. RENAULT A, SVERDLIK RC ACTA DIABETOL LAT 11: 96-105, MAR-APR 74 ENG

METABOLIC AND ENDOCRINE CHANGES IN AEROBATIC FLIGHT. PINTER EJ AEROSP MED 45: 1159-63, OCT 74 ENG

CRYOHYPOPHYSECTOMY FOR ACROMEGALY. FACTORS ASSOCIATED WITH ALTERED ENDOCRINE FUNCTION AND CARBOHYDRATE METABOLISM. LEVIN SR, HOFELDT FD, SCHNEIDER V, BECKER N, KARAM JH, SEYMOUR RJ, ADAMS JE, FORSHAM PH AM J MED 57: 526-35, OCT 74 ENG

CARBOHYDRATE METABOLISM OF HEAT-ACCLIMATED HAMSTERS. IV. HORMONAL CONTROL. CASSUTO Y, CHAYOTH R, ZOR U AM J PHYSIOL 227: 851-3, OCT 74 ENG

DIAGNOSTIC APPLICATIONS OF CALCITONIN IMMUNOASSAY. DEFTOS LJ, BRONZERT D, PARTHEMORE JG ANN CLIN LAB SCI 4: 484-6, NOV-DEC 74 ENG

SERIAL PLASMA GROWTH HORMONE CONCENTRATION DURING SELECTIVE REMOVAL OF PITUITARY TUMORS IN ACROMEGALY. ALLEN JP, COOK DM, GREER MA, PAXTON H, CASTRO A J NEUROSURG 41: 38-43, JUL 74 ENG

PROLACTIN AND THYROTROPIN IN THYROID DISEASES: LACK OF EVIDENCE FOR

A PHYSIOLOGICAL ROLE OF THYROTROPIN-RELEASING HORMONE IN THE REGULATION OF PROLACTIN SECRETION. LHERMITE M, ROBYN C, GOLSTEIN J, ROTHENBUCHNER G, BIRK J, LOOS U, BONNYS M, VANHAELST L HORM METAB RES 6: 190-5, MAY 74 ENG

THE ACTIVITY OF ADENYLATE CYCLASE, PHOSPHODIESTERASE AND PROTEIN KINASE IN THE ADENOHYPOPHYSSES OF RATS TREATED BY CHRONIC ADMINISTRATION OF ESTROGENS AND ACUTE APPLICATION OF THYROXINE IN VIVO. KLENEROVA V, HYNIE S HORM METAB RES 6: 208-13, MAY 74 ENG

FREE TRIIODOTHYRONINE (T3) AND THYROXINE (T4) SERUM LEVELS IN OLD AGE. HERRMANN J, RUSCHE HJ, KROLL HJ, HILGER P, KRUSKEMPER HL HORM METAB RES 6: 239-40, MAY 74 ENG

MEMBRANE PHOSPHOLIPIDS AND HORMONE-SENSITIVE LIPOLYSIS IN FAT CELLS. MAUDE MB, ANDERSON RE, ARMSTRONG KJ, STOUFFER JE ARCH BIOCHEM BIOPHYS 161: 628-31, 2 APR 74 ENG

### 2.C.2 THYROID ANTAGONISTS

[THE EFFECT OF DRUGS ON THE ENDOCRINE FUNCTION TESTS (AUTHORS TRANSL)] SUZUKI H, NAKAGAWA K, NAKAYAMA H, KUNITA H, HATA S JPN J CLIN PATHOL 22: 326-51, AUG 74 JPN [296]

MEMBRANE PHOSPHOLIPIDS AND HORMONE-SENSITIVE LIPOLYSIS IN FAT CELLS. MAUDE MB, ANDERSON RE, ARMSTRONG KJ, STOUFFER JE ARCH BIOCHEM BIOPHYS 161: 628-31, 2 APR 74 ENG

### 2.C.3 THYROID DISORDERS

ADDISON'S DISEASE - A REVIEW OF SOME CLINICAL, PATHOLOGICAL AND IMMUNOLOGICAL FEATURES. NERUP J DAN MED BULL 21: 201-17, OCT 74 ENG [154]

ISLET-CELL ANTIBODIES IN DIABETES MELLITUS WITH AUTOIMMUNE POLYENDOCRINE DEFICIENCIES. BOTTAZZO GF, FLORIN-CHRISTENSEN A, DONIACH D LANCET 2: 1279-83, 30 NOV 74 ENG

THYROIDECTOMY AND COMBINED THYROXINE-CORTISOL THERAPY. THEIR EFFECTS ON BLOOD SUGAR, SERUM IMMUNOREACTIVE INSULIN AND FREE FATTY ACIDS DURING AN ORAL GLUCOSE TOLERANCE TEST. RENAULT A, SVERDLIK RC ACTA DIABETOL LAT 11: 96-105, MAR-APR 74 ENG

THYROTOXIC PERIODIC PARALYSIS. EFFECT OF PROPRANOLOL. YEUNG RT, TSE TF AM J MED 57: 584-90, OCT 74 ENG

ACROMEGALY WITH NORMAL FASTING GROWTH HORMONE CONCENTRATIONS BUT ABNORMAL GROWTH HORMONE REGULATION. MIMS RB, BETHUNE JE ANN INTERN MED 81: 781-4, DEC 74 ENG

PROLACTIN AND THYROTROPIN IN THYROID DISEASES: LACK OF EVIDENCE FOR A PHYSIOLOGICAL ROLE OF THYROTROPIN-RELEASING HORMONE IN THE REGULATION OF PROLACTIN SECRETION. LHERMITE M, ROBYN C, GOLSTEIN J, ROTHENBUCHNER G, BIRK J, LOOS U, BONNYS M, VANHAELST L HORM METAB RES 6: 190-5, MAY 74 ENG

## 2.D PARATHYROID GLANDS

MEMBRANE PHOSPHOLIPIDS AND HORMONE-SENSITIVE LIPOLYSIS IN FAT CELLS. MAUDE MB, ANDERSON RE, ARMSTRONG KJ, STOUFFER JE *ARCH BIOCHEM BIOPHYS* 161: 628-31, 2 APR 74 ENG

## 2.D PARATHYROID GLANDS

MEDICAL STUDENTS ON THE MARCH: BROWN, MACCALLUM AND OPIE. HARVEY AM *JOHNS HOPKINS MED J* 134: 330-45, JUN 74 ENG

## 2.E PITUITARY GLAND

[THE PERICAPILLARY SPACE IN THE ENDOCRINE GLANDS] ALLARA E *BOLL SOC ITAL BIOL SPER* 50: 3-5, 31 JAN 74 ITA

IRON STORAGE DISORDERS OF THE LIVER. GRACE ND, POWELL LW *GASTROENTEROLOGY* 67: 1257-83, DEC 74 ENG [300]

AUTORADIOGRAPHIC STUDIES OF SYNTHESIS AND INTRACELLULAR MIGRATION OF GLYCOPROTEINS IN THE RAT ANTERIOR PITUITARY GLAND. PELLETIER G *J CELL BIOL* 62: 185-97, JUL 74 ENG

THE ENRICHMENT OF ADENYLATE CYCLASE IN THE PLASMA MEMBRANE AND GOLGI SUBCELLULAR FRACTIONS OF PORCINE ADENOHYPOPHYSIS. MCKEEL DW JR, JARETT L *J CELL BIOL* 62: 231-6, JUL 74 ENG

A NEW APPROACH FOR INVESTIGATING HYPOTHALAMO-PITUITARY-GONADAL AND ADRENAL FEEDBACK CONTROL MECHANISMS: ACTIVE IMMUNIZATION WITH STEROIDS. NIESCHLAG E, USADEL KH, KLEY HK, SCHWEDES U, SCHOFFLING K, KRUSKEMPER HL *ACTA ENDOCRINOL (KBH)* 76: 556-69, JUL 74 ENG

### 2.E.1 PITUITARY HORMONES, ANTERIOR

[THE LIPOTROPINS (AUTHORS TRANSL)] SCHWANDT P *KLIN WOCHENSCHR* 52: 153-65, 15 FEB 74 GER [105]

#### 2.E.1.1 CORTICOTROPIN

[A COMBINED STIMULATION TEST FOR THE SIMULTANEOUS ANALYSIS OF SEVERAL PARTIAL FUNCTIONS OF THE ANTERIOR PITUITARY GLAND (AUTHORS TRANSL)] KLEY HK, WIEGELMANN W, SOLBACH HG, KRUSKEMPER HL *DTSCH MED WOCHENSCHR* 99: 2014-8, 25-7, 11 OCT 74 GER

SLEEP EEG STAGES AND PLASMA GROWTH HORMONE CONCENTRATION IN STATES OF ENDOGENOUS AND EXOGENOUS HYPERCORTISOLEMIA OR ACTH ELEVATION. KRIEGER DT, GLICK SM *J CLIN ENDOCRINOL METAB* 39: 986-1000, DEC 74 ENG

GROWTH HORMONE RESPONSES TO HYPOGLYCAEMIA IN WOMEN WITH SECONDARY AMENORRHOEA. HIPKIN LJ, DAVIS JC, SUMMERS VK, BENDER S, EASTMOND C *J REPROD FERTIL* 40: 375-8, OCT 74 ENG

[THE EFFECT OF DRUGS ON THE ENDOCRINE FUNCTION TESTS (AUTHORS

TRANSL)] SUZUKI H, NAKAGAWA K, NAKAYAMA H, KUNITA H, HATA S *JPN J CLIN PATHOL* 22: 326-51, AUG 74 JPN [296]

A MECHANISM FOR HYPORENINEMIC HYPOALDOSTERONISM IN CHRONIC RENAL DISEASE. OH MS, CARROLL HJ, CLEMMONS JE, VAGNUCCI AH, LEVISON SP, WHANG ES *METABOLISM* 23: 1157-66, DEC 74 ENG

GROWTH HORMONE STUDIES IN PATIENTS WITH RHEUMATOID ARTHRITIS WITH OR WITHOUT GLUCOCORTICOID THERAPY. BUTENANDT O, KELCH A, RAJMAN E Z *KINDERHEILKD* 118: 53-62, 1974 ENG

CLINICAL ASPECTS OF NEONATAL HYPOGLYCAEMIA. FLUGE G *ACTA PAEDIATR SCAND* 63: 826-32, NOV 74 ENG

PITUITARY 45 CA ION UPTAKE AND RELEASE OF ACTH, GH, AND TSH: EFFECT OF VERAPAMIL. ETO S, WOOD JM, HUTCHINS M, FLEISCHER N *AM J PHYSIOL* 226: 1315-20, JUN 74 ENG

SERIAL PLASMA GROWTH HORMONE CONCENTRATION DURING SELECTIVE REMOVAL OF PITUITARY TUMORS IN ACROMEGALY. ALLEN JP, COOK DM, GREER MA, PAXTON H, CASTRO A *J NEUROSURG* 41: 38-43, JUL 74 ENG

PROCEEDINGS: CORTICOSTEROID FEEDBACK AT THE PITUITARY LEVEL. BRUSH FR, DALLMAN M, JONES MT, TIPTAFT E *N ENGL J MED* 291: LXIV-LXV, 11 JUN 74 ENG

PHYSIOLOGICAL AND ENDOCRINOLOGICAL CHANGES IN RESPONSE TO TERMINAL HEAT STRESS IN SWINE. MARPLE DN, JONES DJ, ALLISTON CW, FORREST JC *J ANIM SCI* 39: 79-82, JUL 74 ENG

IN VITRO SYNTHESIS OF AN ACTH-LIKE HORMONE AND HUMAN CHORIONIC SOMATOMAMMOTROPIN BY PLACENTAL AND AMNIOTIC CELLS. GENAZZANI AR, HURLIMANN J, FIORETTI P, FELBER JP *EXPERIENTIA* 30: 430-2, 15 APR 74 ENG

#### 2.E.1.2 SOMATOTROPIN

SPECIFIC INHIBITION BY SOMATOSTATIN OF GROWTH HORMONE RELEASE AFTER HYPOGLYCAEMIA IN NORMAL MAN. COPINSCHI G, VIRASORO E, VANHAELST L, LECLERCQ R, GOLSTEIN J, LHERMITE M *CLIN ENDOCRINOL (OXF)* 3: 411-5, OCT 74 ENG

NUTRITION AND METABOLISM FOLLOWING THERMAL INJURY. WILMORE DW *CLIN PLAST SURG* 1: 603-19, OCT 74 ENG [41]

[A COMBINED STIMULATION TEST FOR THE SIMULTANEOUS ANALYSIS OF SEVERAL PARTIAL FUNCTIONS OF THE ANTERIOR PITUITARY GLAND (AUTHORS TRANSL)] KLEY HK, WIEGELMANN W, SOLBACH HG, KRUSKEMPER HL *DTSCH MED WOCHENSCHR* 99: 2014-8, 25-7, 11 OCT 74 GER

[GROWTH HORMONE] NUISIAINEN R *DUODECIM* 90: 884-7, 1974 FIN

INHIBITION OF PANCREATIC GLUCAGON RESPONSES TO ARGININE BY SOMATOSTATIN IN NORMAL MAN AND IN SULIN-DEPENDENT DIABETICS. GERICH JE, LORENZI M, SCHNEIDER V, KWAN CW, KARAM JH, GUILLEMIN R, FORSHAM PH *DIABETES* 23: 876-80, NOV 74 ENG

EFFECT OF SOMATOSTATIN ON PLASMA GLUCOSE AND INSULIN RESPONSES TO GLUCAGON AND TOLBUTAMIDE IN MAN. GERICH JE, LORENZI M, SCHNEIDER V,

FORSHAM PH *J CLIN ENDOCRINOL METAB* 39: 1057-60, DEC 74 ENG

ANTERIOR PITUITARY FUNCTION IN THE PRADER-LABHART-WILLI (PLW) SYNDROME. TOLIS G, LEWIS W, VERDY M, FRIESEN HG, SOLOMON S, PAGALIS G, PAVLATOS F, FESSAS P, ROCHEFORT JG *J CLIN ENDOCRINOL METAB* 39: 1061-6, DEC 74 ENG

HETEROGENEITY OF CIRCULATING GROWTH HORMONE IN ACROMEGALY. DIMOND RC, WARTOFSKY L, ROSEN SW *J CLIN ENDOCRINOL METAB* 39: 1133-7, DEC 74 ENG

EVIDENCE FOR A DIRECT EFFECT OF THYROTROPIN-RELEASING HORMONE (TRH) ON PROLACTIN RELEASE IN HUMANS. LISTER RC, UNDERWOOD LE, MARSHALL RN, FRIESEN HG, VAN WYK JJ *J CLIN ENDOCRINOL METAB* 39: 1148-50, DEC 74 ENG

SLEEP EEG STAGES AND PLASMA GROWTH HORMONE CONCENTRATION IN STATES OF ENDOGENOUS AND EXOGENOUS HYPERCORTISOLEMIA OR ACTH ELEVATION. KRIEGER DT, GLICK SM *J CLIN ENDOCRINOL METAB* 39: 986-1000, DEC 74 ENG

GROWTH HORMONE RESPONSES TO HYPOGLYCAEMIA IN WOMEN WITH SECONDARY AMENORRHOEA. HIPKIN LJ, DAVIS JC, SUMMERS VK, BENDER S, EASTMOND C *J REPROD FERTIL* 40: 375-8, OCT 74 ENG

CHEMICAL CARCINOGEN-INDUCED ALVEOLAR NODULES IN ORGAN CULTURE OF MOUSE MAMMARY GLAND. BANERJEE MR, WOOD BG, WASHBURN LL *J NATL CANCER INST* 53: 1387-93, NOV 74 ENG

[THE EFFECT OF DRUGS ON THE ENDOCRINE FUNCTION TESTS (AUTHORS TRANSL)] SUZUKI H, NAKAGAWA K, NAKAYAMA H, KUNITA H, HATA S *JPN J CLIN PATHOL* 22: 326-51, AUG 74 JPN [296]

INSULIN, GROWTH HORMONE, AND GLUCAGON IN PREDIABETES MELLITUS-A REVIEW. JOHANSEN K, SOELDNER JS, GLEASON RE *METABOLISM* 23: 1185-99, DEC 74 ENG [50]

LETTER: PLASMA GLUCAGON RESPONSE TO ARGININE INFUSION IN CHILDREN AND ADOLESCENTS WITH CONSTITUTIONAL (FAMILIAL) SHORT STATURE. JOSEFSSBERG Z, LARON Z, DORON M, KARP M, WEISSMAN I *NATURE* 252: 437-8, 13 DEC 74 ENG

[RELATIONSHIP BETWEEN ACROMEGALY AND HISTOLOGICAL PICTURE IN PITUITARY EOSINOPHILIC ADENOMA (AUTHORS TRANSL)] ITO H, ISHIKURA A, KUBOTA N, YOSHIDA S, YAMAMOTO S *NEUROL SURG (TOKYO)* 2: 315-21, APR 74 JPN

[EFFECT OF INTRAVENOUS ARGININE LOADING ON THE RELEASE OF GROWTH HORMONE AND LEVEL OF PLASMA IMMUNOREACTIVE INSULIN IN OBESSE CHILDREN] RYBAKOWA M, DROPOWA K, SOLTYSKI-WILK E, GOLDA W, PLETI M *PEDIATR POL* 49: 1485-91, DEC 74 POL

MALTOSE METABOLISM IN DIABETIC STATE. TOYOTA T, GOTO Y, SATO S, SHIMOJO Y, TAKAHASHI K *TOHOKU J EXP MED* 114: 61-9, SEP 74 ENG

GROWTH HORMONE STUDIES IN PATIENTS WITH RHEUMATOID ARTHRITIS WITH OR WITHOUT GLUCOCORTICOID THERAPY. BUTENANDT O, KELCH A, RAJMAN E Z *KINDERHEILKD* 118: 53-62, 1974 ENG

## 2.E PITUITARY GLAND

- PLASMA GROWTH HORMONE RESPONSE TO INSULIN-INDUCED HYPOGLYCEMIA IN DIABETES MELLITUS.** SINHA MK, MALIK GP, RASTOGI GK *ACTA DIABETOLOGICA LAT* 11: 89-95, MAR-APR 74 ENG
- THE EFFECT OF L-DOPA ON THE BLOOD CONCENTRATIONS OF GROWTH HORMONE, THYROTROPHIN, GONADOTROPHINS, CORTISOL AND GLUCOSE IN CHILDREN WITH SHORT STATURE.** NILSSON KO, THORELL JI *ACTA PAEDIATR SCAND* 63: 812-6, NOV 74 ENG
- BIOCHEMICAL AND ELECTRON MICROSCOPIC STUDIES OF RAT SKIN DURING ZINC DEFICIENCY.** HSU JM, KIM KM, ANTHONY WL *ADV EXP MED BIOL* 48: 347-88, 1974 ENG [54]
- OVERNUTRITION, OVERGROWTH AND HORMONES (WITH SPECIAL REFERENCE TO THE INFANT BORN OF THE DIABETIC MOTHER).** CHEEK DB, BRAYTON JB, SCOTT RE *ADV EXP MED BIOL* 49: 47-72, 1974 ENG [67]
- METABOLIC AND ENDOCRINE CHANGES IN AEROBATIC FLIGHT.** PINTER EJ *AEROSP MED* 45: 1159-63, OCT 74 ENG
- CRYOPHYSIOLOGY FOR ACROMEGALY. FACTORS ASSOCIATED WITH ALTERED ENDOCRINE FUNCTION AND CARBOHYDRATE METABOLISM.** LEVIN SR, HOFELDT FD, SCHNEIDER V, BECKER N, KARAM JH, SEYMOUR RJ, ADAMS JE, FORSHAM PH *AM J MED* 57: 526-35, OCT 74 ENG
- ADAPTATION TO FASTING IN BABOON. I. INFLUENCE OF FEEDING SCHEDULE.** KOERKER DJ, GOODNER CJ, TOIVOLA PT, GALE CC, ENSINCK JW *AM J PHYSIOL* 227: 520-30, SEP 74 ENG
- ACROMEGALY WITH NORMAL FASTING GROWTH HORMONE CONCENTRATIONS BUT ABNORMAL GROWTH HORMONE REGULATION.** MIMS RB, BETHUNE JE *ANN INTERN MED* 81: 781-4, DEC 74 ENG
- [HYPERINSULINEMIA IN CHILDREN WITH CHEMICAL DIABETES MELLITUS]** PARRA A, PEREZ-PASTEN E, ROSALES R, CERVANTES C, ARGOTE RM, GARCIA G *ARCH INVEST MED (MEX)* 5: 117-24, 1974 SPA
- REVERSAL OF SOMATOSTATIN INHIBITION OF INSULIN SECRETION BY CALCIUM.** CURRY DL, BENNETT LL *BIOCHEM BIOPHYS RES COMMUN* 60: 1015-9, 8 OCT 74 ENG
- PITUITARY 45 CA ION UPTAKE AND RELEASE OF ACTH, GH, AND TSH: EFFECT OF VERAPAMIL.** ETO S, WOOD JM, HUTCHINS M, FLEISCHER N *AM J PHYSIOL* 226: 1315-20, JUN 74 ENG
- SERIAL PLASMA GROWTH HORMONE CONCENTRATION DURING SELECTIVE REMOVAL OF PITUITARY TUMORS IN ACROMEGALY.** ALLEN JP, COOK DM, GREER MA, PAXTON H, CASTRO A *J NEUROSURG* 41: 38-43, JUL 74 ENG
- ACUTE METABOLIC EFFECTS OF HUMAN GROWTH HORMONE.** FINEBERG SE, MERIMEE TJ *DIABETES* 23: 499-504, JUN 74 ENG
- LETTER: GROWTH-HORMONE RESPONSE TO EXERCISE IN OBESE CHILDREN.** WILKINSON PW, PARKIN JM *LANCET* 2: 55, 6 JUL 74 ENG
- INFLUENCE OF ALPHA-MELANOCYTE-STIMULATING HORMONE (ALPHA-MSH), GROWTH HORMONE (GH) AND FETAL BRAIN EXTRACTS ON INTRAUTERINE GROWTH OF FETUS AND PLACENTA IN THE RAT.** HONNEBER WJ, SWAB DF *J OBSTET GYNAECOL BR COMMONW* 81: 439-47, JUN 74 ENG
- DNA SYNTHESIS AND THE SECRETION OF PROLACTIN AND GROWTH HORMONE BY THE PITUITARY GLAND OF THE MALE RAT: EFFECTS OF DIETHYLSTILBOESTROL AND 2-BROMO-ALPHA-ERGOCRYPTINE METHANESULPHONATE.** DAVIES C, JACOBI J, LLOYD HM, MEARES JD *J ENDOCRINOL* 61: 411-7, JUN 74 ENG
- EFFECTS OF BOVINE GROWTH HORMONE PREPARATIONS, FRAGMENTS OF GROWTH HORMONE AND PITUITARY ANTI-INSULIN PEPTIDE ON LIPOLYSIS AND GLUCOSE METABOLISM OF ISOLATED FAT CELLS AND ADIPOSE TISSUE.** WIESER PB, MALGIERI JA, WARD WF, POINTER RH, FAIR JN *ENDOCRINOLOGY* 95: 206-12, JUL 74 ENG
- BODY BUILD AND SLEEP-RELATED GROWTH HORMONE SECRETION.** OTHMER E, LEVINE WR, MALARKEY WB, CORVALAN JC, HAYDEN-OTTO MP, FISHMAN PM, DAUGHADAY WH *HORM RES* 5: 156-66, 1974 ENG
- EFFECT OF POSTNATAL MALNUTRITION ON PLASMA PROTEINS AND GROWTH HORMONE IN THE RAT.** NITZAN M, WILBER JF *HORM RES* 5: 167-72, 1974 ENG
- THE EFFECTS OF PHENOTHAZINES ON ENDOCRINE FUNCTION: II. EFFECTS IN MEN AND POST-MENOPAUSAL WOMEN.** BEUMONT PJ, CORKER CS, FRIESEN HG, KOLAKOWSKA T, MANDELBORE M, MARSHALL J, MURRAY MA, WILES DH *BR J PSYCHIATRY* 124: 420-30, MAY 74 ENG
- [USE OF CHLORPROMAZINE AND TRANS-SPHENOIDAL MICRO-SURGERY IN THE TREATMENT OF ACROMEGALY (DYNAMIC STUDY OF GROWTH HORMONE SECRETION)]** LAZORTHES Y, BAYARD F, ZADEH J, LOUVET JP *NEUROCHIRURGIE* 19: 603-10, DEC 73 FRE
- IN VITRO EFFECTS OF SYNTHETIC SOMATOTROPIN-RELEASE INHIBITING FACTOR ON CYCLIC AMP LEVEL AND GH RELEASE IN RAT ANTERIOR PITUITARY GLAND.** KANEKO T, OKA H, SAITO S, MUNEMURA M, MUSA K, ODA T *ENDOCRINOL JAP* 20: 535-8, OCT 73 ENG
- [EFFECT OF 5-HYDROXYTRYPTOPHAN ON THE SECRETION OF SOMATOTROPIC HORMONE IN MAN]** GIORDANO G, FOPPIANI E, MINUTO F, BARRECA T, MARUGO M *ARCH MARAGLIANO PATOL CLIN* 29: 1-5, JAN 73 ITA
- [SLEEP-WAKEFULNESS RHYTHM OF THE SOMATOTROPIN SECRETION IN THE MAN UNDER THE INFLUENCE OF ALPHA-METHYLDOPA AND DISULFIRAM]** GIORDANO G, FOPPIANI E, MINUTO F, MARUGO M, BARRECA T *ARCH MARAGLIANO PATOL CLIN* 29: 7-14, JAN 73 ITA
- 2.E.1.3 THYROTROPIN**
- SPECIFIC INHIBITION BY SOMATOSTATIN OF GROWTH HORMONE RELEASE AFTER HYPOGLYCAEMIA IN NORMAL MAN.** COPINSCHI G, VIRASORO E, VANHAELST L, LECLERCQ R, GOLSTEIN J, LHERMITE M *CLIN ENDOCRINOL (OXF)* 3: 411-5, OCT 74 ENG
- ANTERIOR PITUITARY FUNCTION IN THE PRADER-LABHART-WILLI (PLW) SYNDROME.** TOLIS G, LEWIS W, VERDY M, FRIESEN HG, SOLOMON S, PAGALIS G, PAVLATOS F, FESSAS P, ROCHEFORT JG *J CLIN ENDOCRINOL METAB* 39: 1061-6, DEC 74 ENG
- [THE EFFECT OF DRUGS ON THE ENDOCRINE FUNCTION TESTS (AUTHORS TRANSL)]** SUZUKI H, NAKAGAWA K, NAKAYAMA H, KUNITA H, HATA S *JPN J CLIN PATHOL* 22: 326-51, AUG 74 JPN [296]
- THE EFFECT OF L-DOPA ON THE BLOOD CONCENTRATIONS OF GROWTH HORMONE, THYROTROPHIN, GONADOTROPHINS, CORTISOL AND GLUCOSE IN CHILDREN WITH SHORT STATURE.** NILSSON KO, THORELL JI *ACTA PAEDIATR SCAND* 63: 812-6, NOV 74 ENG
- REDUCTION OF INSULIN RESPONSE TO HYPERGLYCAEMIA IN NORMAL DOGS AFTER THYROID-STIMULATING HORMONE (TSH) THERAPY.** RENAULT A, ANDRADE LL, SVERDLIK RC, RODRIGUEZ RR *ACTA PHYSIOL LAT AM* 24: 83-2, 1974 ENG
- PITUITARY 45 CA ION UPTAKE AND RELEASE OF ACTH, GH, AND TSH: EFFECT OF VERAPAMIL.** ETO S, WOOD JM, HUTCHINS M, FLEISCHER N *AM J PHYSIOL* 226: 1315-20, JUN 74 ENG
- PROLACTIN AND THYROTROPIN IN THYROID DISEASES: LACK OF EVIDENCE FOR A PHYSIOLOGICAL ROLE OF THYROTROPIN-RELEASING HORMONE IN THE REGULATION OF PROLACTIN SECRETION.** LHERMITE M, ROBYN C, GOLSTEIN J, ROTHENBUCHNER G, BIRK J, LOOS U, BONNYS N, VANHAELST L *HORM METAB RES* 6: 190-5, MAY 74 ENG
- PROCEEDINGS: THYROID-STIMULATING HORMONE BINDING TO HUMAN THYROID MEMBRANES AND SOLUBILIZED RECEPTORS.** NUSSEY SS, MEHDI SQ *N ENGL J MED* 291: LVII, 11 JUN 74 ENG
- 2.E.1.4 GONADOTROPINS, PITUITARY**
- SPECIFIC INHIBITION BY SOMATOSTATIN OF GROWTH HORMONE RELEASE AFTER HYPOGLYCAEMIA IN NORMAL MAN.** COPINSCHI G, VIRASORO E, VANHAELST L, LECLERCQ R, GOLSTEIN J, LHERMITE M *CLIN ENDOCRINOL (OXF)* 3: 411-5, OCT 74 ENG
- [A COMBINED STIMULATION TEST FOR THE SIMULTANEOUS ANALYSIS OF SEVERAL PARTIAL FUNCTIONS OF THE ANTERIOR PITUITARY GLAND (AUTHORS TRANSL)]** KLEY HK, WIEGELMANN W, SOLBACH HG, KRUSKEMPER HL *DTSCH MED WCHENSCHR* 99: 2014-8, 25-7, 11 OCT 74 GER
- ANTERIOR PITUITARY FUNCTION IN THE PRADER-LABHART-WILLI (PLW) SYNDROME.** TOLIS G, LEWIS W, VERDY M, FRIESEN HG, SOLOMON S, PAGALIS G, PAVLATOS F, FESSAS P, ROCHEFORT JG *J CLIN ENDOCRINOL METAB* 39: 1061-6, DEC 74 ENG
- EVIDENCE FOR A DIRECT EFFECT OF THYROTROPIN-RELEASING HORMONE (TRH) ON PROLACTIN RELEASE IN HUMANS.** LISTER RC, UNDERWOOD LE, MARSHALL RN, FRIESEN HG, VAN WYK JJ *J CLIN ENDOCRINOL METAB* 39: 1148-50, DEC 74 ENG
- GROWTH HORMONE RESPONSES TO HYPOGLYCAEMIA IN WOMEN WITH SECONDARY AMENORRHOEA.** HIPKIN LJ, DAVIS JC, SUMMERS VK, BENDER S, EAST-



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- MOND C *J REPROD FERTIL* 40: 375-8, OCT 74 ENG
- CHEMICAL CARCINOGEN-INDUCED ALVEOLAR NODULES IN ORGAN CULTURE OF MOUSE MAMMARY GLAND. BANERJEE MR, WOOD BG, WASHBURN LL *J NATL CANCER INST* 53: 1387-93, NOV 74 ENG
- [THE EFFECT OF DRUGS ON THE ENDOCRINE FUNCTION TESTS (AUTHORS TRANSL)] SUZUKI H, NAKAGAWA K, NAKAYAMA H, KUNITA H, HATA S *JPN J CLIN PATHOL* 22: 326-51, AUG 74 JPN [296]
- THE EFFECT OF L-DOPA ON THE BLOOD CONCENTRATIONS OF GROWTH HORMONE, THYROTROPIN, GONADOTROPHINS, CORTISOL AND GLUCOSE IN CHILDREN WITH SHORT STATURE. NILSSON KO, THORELL JI *ACTA PAEDIATR SCAND* 63: 812-6, NOV 74 ENG
- METABOLIC AND ENDOCRINE CHANGES IN AEROBATIC FLIGHT. PINTER EJ *AEROSP MED* 45: 1159-63, OCT 74 ENG
- FASTING HYPOGLYCEMIA, HYPERCALCEMIA AND HYPERPROLACTINEMIA. MULTIPLE ENDOCRINE NEOPLASIA, TYPE I Anonymous *AM J MED* 57: 611-9, OCT 74 ENG
- ACROMEGALY WITH NORMAL FASTING GROWTH HORMONE CONCENTRATIONS BUT ABNORMAL GROWTH HORMONE REGULATION. MIMS RB, BETHUNE JE *ANN INTERN MED* 81: 781-4, DEC 74 ENG
- IS PROLACTIN INVOLVED IN PRECIPITATING MIGRAINE NADER S, TULLOCH B, BLAIR C, VYDELINGUM N, FRASER TR *LANCET* 2: 17-9, 6 JUL 74 ENG
- EFFECTS OF SOME PSYCHOACTIVE AGENTS ON PROLACTIN SECRETION IN RATS OF DIFFERENT ENDOCRINE STATES. CLEMENS JA, SHAAH CJ, SMALSTIG EB, MATSUMOTO C *HORM METAB RES* 6: 187-90, MAY 74 ENG
- PROLACTIN AND THYROTROPIN IN THYROID DISEASES: LACK OF EVIDENCE FOR A PHYSIOLOGICAL ROLE OF THYROTROPIN-RELEASING HORMONE IN THE REGULATION OF PROLACTIN SECRETION. LHERMITE M, ROBYN C, GOLSTEIN J, ROTHENBUCHNER G, BIRK J, LOOS U, BONNYS M, VANHAELST L *HORM METAB RES* 6: 190-5, MAY 74 ENG
- DNA SYNTHESIS AND THE SECRETION OF PROLACTIN AND GROWTH HORMONE BY THE PITUITARY GLAND OF THE MALE RAT: EFFECTS OF DIETHYLSTILBOESTROL AND 2-BROMO-ALPHA-ERGOCRYPTINE METHANESULFONATE. DAVIES C, JACOBI J, LLOYD HM, MEARES JD *J ENDOCRINOL* 61: 411-7, JUN 74 ENG
- BINDING OF LUTEINIZING HORMONE AND HUMAN CHORIONIC GONADOTROPHIN TO OVARIAN CELLS AND ACTIVATION OF ADENYLATE CYCLASE. KOCH Y, ZOR U, CHOSIENG P, LAMPRECHT SA, POMERANTZ S, LINDNER HR *N ENGL J MED* 291: 179-91, 11 JUN 74 ENG
- THE EFFECTS OF PHENOTHIAZINES ON ENDOCRINE FUNCTION: II. EFFECTS IN MEN AND POST-MENOPAUSAL WOMEN. BEUMONT PJ, CORKER CS, FRIESEN HG, KOLAKOWSKA T, MANDELBROTE M, MARSHALL J, MURRAY MA, WILES DH *BR J PSYCHIATRY* 124: 420-30, MAY 74 ENG
- [DYNAMICS OF PROLACTIN IN HUMAN BLOOD] INOUE K, IRIE M *CLIN ENDOCRINOL (TOKYO)* 22: 358-72, MAR 74 JAP [42]

## 2.E.2 PITUITARY HORMONES, POSTERIOR

- HEPATIC ACTION OF VASOPRESSIN: LACK OF A ROLE FOR ADENOSINE-3,5-CYCLIC MONOPHOSPHATE. KIRK CJ, HEMS DA *FEBS LETT* 47: 128-31, 1 OCT 74 ENG
- VASOPRESSIN. HAYS RM, LEVINE SD *KIDNEY INT* 6: 307-22, NOV 74 ENG [152]
- [DIABETES INSIPIDUS-VARIOUS RECENT ASPECTS] DE SOUSA RC *SCHWEIZ MED WOCHENSCHR* 104: 1045-53, 27 JUL 74 FRE [140]
- ENHANCEMENT OF PLASMINOGEN ACTIVATOR BY VASOPRESSIN AND ADRENALINE: A ROLE OF CYCLIC AMP MANNUCCI PM *THROMB RES* 4: 539-49, APR 74 ENG
- NEONATAL SECRETION OF GASTRIN AND GLUCAGON. ROGERS IM, DAVIDSON DC, LAWRENCE J, ARDILL J, BUCHANAN KD *ARCH DIS CHILD* 49: 796-801, OCT 74 ENG
- PITUITARY 45 CA ION UPTAKE AND RELEASE OF ACTH, GH, AND TSH: EFFECT OF VERAPAMIL. ETO S, WOOD JM, HUTCHINS M, FLEISCHER N *AM J PHYSIOL* 226: 1315-20, JUN 74 ENG

## 2.E.3 PITUITARY HORMONES, INTERMEDIATE

- INFLUENCE OF ALPHA-MELANOCYTE-STIMULATING HORMONE (ALPHA-MSH), GROWTH HORMONE (GH) AND FETAL BRAIN EXTRACTS ON INTRAUTERINE GROWTH OF FETUS AND PLACENTA IN THE RAT. HONNEBIER WJ, SWAAB DF *J OBSTET GYNAECOL BR COMMONW* 81: 439-47, JUN 74 ENG

## 2.E.4 PITUITARY HORMONE RELEASING FACTORS

- HETEROGENEITY OF CIRCULATING GROWTH HORMONE IN ACROMEGALY. DIMOND RC, WARTOFSKY L, ROSEN SW *J CLIN ENDOCRINOL METAB* 39: 1133-7, DEC 74 ENG
- EVIDENCE FOR A DIRECT EFFECT OF THYROTROPIN-RELEASING HORMONE (TRH) ON PROLACTIN RELEASE IN HUMANS. LISTER RC, UNDERWOOD LE, MARSHALL RN, FRIESEN HG, VAN WYK JJ *J CLIN ENDOCRINOL METAB* 39: 1148-50, DEC 74 ENG
- PITUITARY 45 CA ION UPTAKE AND RELEASE OF ACTH, GH, AND TSH: EFFECT OF VERAPAMIL. ETO S, WOOD JM, HUTCHINS M, FLEISCHER N *AM J PHYSIOL* 226: 1315-20, JUN 74 ENG
- PROLACTIN AND THYROTROPIN IN THYROID DISEASES: LACK OF EVIDENCE FOR A PHYSIOLOGICAL ROLE OF THYROTROPIN-RELEASING HORMONE IN THE REGULATION OF PROLACTIN SECRETION. LHERMITE M, ROBYN C, GOLSTEIN J, ROTHENBUCHNER G, BIRK J, LOOS U, BONNYS M, VANHAELST L *HORM METAB RES* 6: 190-5, MAY 74 ENG
- PROCEEDINGS: CORTICOSTEROID FEEDBACK AT THE PITUITARY LEVEL. BRUSH FR, DALLMAN M, JONES MT, TIPTAFT E *N ENGL J MED* 291: LXIV-LXV, 11 JUN 74 ENG
- [SLEEP-WAKEFULNESS RHYTHM OF THE SOMATOTROPIN SECRETION IN THE MAN UNDER THE INFLUENCE OF ALPHA-

METHYLDOPA AND DISULFIRAM] GIOR-DANO G, FOPPIANI E, MINUTO F, MARUGO M, BARRECA T *ARCH E MARAGLIANO PATOL CLIN* 29: 7-14, JAN 73 ITA

[DYNAMICS OF PROLACTIN IN HUMAN BLOOD] INOUE K, IRIE M *CLIN ENDOCRINOL (TOKYO)* 22: 358-72, MAR 74 JAP [42]

## 2.E.5 HYPOPHYSECTOMY

- EVIDENCE FOR A DIRECT EFFECT OF THYROTROPIN-RELEASING HORMONE (TRH) ON PROLACTIN RELEASE IN HUMANS. LISTER RC, UNDERWOOD LE, MARSHALL RN, FRIESEN HG, VAN WYK JJ *J CLIN ENDOCRINOL METAB* 39: 1148-50, DEC 74 ENG
- THE EFFECT OF GLUCOSE AND TETRAETHYLAMMONIUM ON THE PROPULSIVE MOTILITY OF SMALL INTESTINE IN HYPOPHYSECTOMIZED RATS. PENG YI, PENG MT *J FORMOSAN MED ASSOC* 73: 445-50, AUG 74 ENG
- [TREATMENT OF DIABETIC RETINOPATHY BY STEREOTAXIC INTRAPITUITARY IMPLANTATION OF RADIOACTIVE GOLD] DEBRY G, DROUIN P, MEJEAN L, SAUDAX E, GROBOTEC M, TALAIRACH J, SCHAUB C, SZIKLA G, BLUET-PAJOT MT, NASSIET J *REV PRAT* 24: 3123-4 PASSIM, 24 JUN 74 FRE
- CRYOPHYSECTOMY FOR ACROMEGALY. FACTORS ASSOCIATED WITH ALTERED ENDOCRINE FUNCTION AND CARBOHYDRATE METABOLISM. LEVIN SR, HOFELDT FD, SCHNEIDER V, BECKER N, KARAM JH, SEYMOUR RJ, ADAMS JE, FORSHAM PH *AM J MED* 57: 526-35, OCT 74 ENG
- SERIAL PLASMA GROWTH HORMONE CONCENTRATION DURING SELECTIVE REMOVAL OF PITUITARY TUMORS IN ACROMEGALY. ALLEN JP, COOK DM, GREER MA, PAXTON H, CASTRO A *J NEUROSURG* 41: 38-43, JUL 74 ENG
- INFLUENCE OF HYPOPHYSECTOMY AND STARVATION ON BLOOD GLUCOSE LEVELS IN THE NEWT, NOTOPHTHALMUS VIRIDESCENS. CONNELLY TG, GOLDSTEIN AM, YAMADA T *J EXP ZOOL* 188: 367-73, JUN 74 ENG
- ## 2.E.6 PITUITARY DISORDERS
- [A COMBINED STIMULATION TEST FOR THE SIMULTANEOUS ANALYSIS OF SEVERAL PARTIAL FUNCTIONS OF THE ANTERIOR PITUITARY GLAND (AUTHORS TRANSL)] KLEY HK, WIEGELMANN W, SOLBACH HG, KRUSKEMPER HL *DTSCH MED WOCHENSCHR* 99: 2014-8, 25-7, 11 OCT 74 GER
- HETEROGENEITY OF CIRCULATING GROWTH HORMONE IN ACROMEGALY. DIMOND RC, WARTOFSKY L, ROSEN SW *J CLIN ENDOCRINOL METAB* 39: 1133-7, DEC 74 ENG
- VASOPRESSIN. HAYS RM, LEVINE SD *KIDNEY INT* 6: 307-22, NOV 74 ENG [152]
- LETTER: CHILDREN, DIABETIC KETOACIDOSIS, 2-3-DPG, AND GROWTH POTENTIALS. DINICOLA AF *N ENGL J MED* 291: 1416-7, 26 DEC 74 ENG
- LETTER: PLASMA GLUCAGON RESPONSE TO ARGININE INFUSION IN CHILDREN AND ADOLESCENTS WITH CONSTITUTIONAL



## 2.F GONADS

(FAMILIAL) SHORT STATURE. JOSEF-SBERG Z, LARON Z, DORON M, KARP M, WEISSMAN I *NATURE* 252: 437-8, 13 DEC 74 ENG

[RELATIONSHIP BETWEEN ACROMEGALY AND HISTOLOGICAL PICTURE IN PITUITARY EOSINOPHILIC ADENOMA (AUTHORS TRANSL.)] ITO H, ISHIKURA A, KUBOTA N, YOSHIDA S, YAMAMOTO S *NEUROL SURG (TOKYO)* 2: 315-21, APR 74 JPN

[DIABETES INSIPIDUS-VARIOUS RECENT ASPECTS] DE SOUSA RC SCHWEIZ MED WOCHENSCHR 104: 1045-53, 27 JUL 74 FRE [140]

THE EFFECT OF L-DOPA ON THE BLOOD CONCENTRATIONS OF GROWTH HORMONE, THYROTROPIN, GONADOTROPINS, CORTISOL AND GLUCOSE IN CHILDREN WITH SHORT STATURE. NILSSON KO, THORELL JI *ACTA PAEDIATR SCAND* 63: 812-6, NOV 74 ENG

OVERNUTRITION, OVERGROWTH AND HORMONES (WITH SPECIAL REFERENCE TO THE INFANT BORN OF THE DIABETIC MOTHER). CHEEK DB, BRAYTON JB, SCOTT RE *ADV EXP MED BIOL* 49: 47-72, 1974 ENG [67]

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ACROMEGALY WITH NORMAL FASTING GROWTH HORMONE CONCENTRATIONS BUT ABNORMAL GROWTH HORMONE REGULATION. MIMS RB, BETHUNE JE *ANN INTERN MED* 81: 781-4, DEC 74 ENG

SERIAL PLASMA GROWTH HORMONE CONCENTRATION DURING SELECTIVE REMOVAL OF PITUITARY TUMORS IN ACROMEGALY. ALLEN JP, COOK DM, GREER MA, PAXTON H, CASTRO A *J NEUROSURG* 41: 38-43, JUL 74 ENG

THE ACTIVITY OF ADENYLATE CYCLASE, PHOSPHODIESTERASE AND PROTEIN KINASE IN THE ADENOHYPOPHYSES OF RATS TREATED BY CHRONIC ADMINISTRATION OF ESTROGENS AND ACUTE APPLICATION OF THYROXINE IN VIVO. KLENEROVA V, HYNIE S *HORM METAB RES* 6: 208-13, MAY 74 ENG

[USE OF CHLORPROMAZINE AND TRANS-SPHENOIDAL MICRO-SURGERY IN THE TREATMENT OF ACROMEGALY (DYNAMIC STUDY OF GROWTH HORMONE SECRETION)] LAZORTHES Y, BAYARD F, ZADEH J, LOUVET JP *NEUROCHIRURGIE* 19: 603-10, DEC 73 FRE

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### 2.F.1 OVARY

CORONARY ARTERY DISEASE IN YOUNG WOMEN. ENGEL HJ, PAGE HL JR, CAMPBELL WB *JAMA* 230: 1531-4, 16 DEC 74 ENG

THE DEVELOPMENT OF DIABETES IN THE TUCO-TUCO (CTENOMYS TALARUM). WEIR BJ *PROC R SOC MED* 67: 843-6, SEP 74 ENG

EFFECT OF DIBUTYRYL ADENOSINE CYCLIC 3,5-MONOPHOSPHATE AND TESTOLOLAC-

TONE ON CONCANAVALIN A BINDING AND CELL KILLING. STORRIE B *J CELL BIOL* 62: 247-52, JUL 74 ENG

BINDING OF LUTEINIZING HORMONE AND HUMAN CHORIONIC GONADOTROPHIN TO OVARIAN CELLS AND ACTIVATION OF ADENYLATE CYCLASE. KOCH Y, ZOR U, CHOBSIENG P, LAMPRECHT SA, POMERANTZ S, LINDNER HR *N ENGL J MED* 291: 179-91, 11 JUN 74 ENG

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THE DEVELOPMENT OF DIABETES IN THE TUCO-TUCO (CTENOMYS TALARUM). WEIR BJ *PROC R SOC MED* 67: 843-6, SEP 74 ENG

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A NEW APPROACH FOR INVESTIGATING HYPOTHALAMO-PITUITARY-GONADAL AND ADRENAL FEEDBACK CONTROL MECHANISMS: ACTIVE IMMUNIZATION WITH STEROIDS. NIESCHLAG E, USADEL KH, KLEY HK, SCHWEDES U, SCHOFFLING K, KRUSKEMPER HL *ACTA ENDOCRINOL (KBH)* 76: 556-69, JUL 74 ENG

### 2.F.3 SEX HORMONES

[THE EFFECT OF DRUGS ON THE ENDOCRINE FUNCTION TESTS (AUTHORS TRANSL.)] SUZUKI H, NAKAGAWA K, NAKAYAMA H, KUNITA H, HATA S *JPN J CLIN PATHOL* 22: 326-51, AUG 74 JPN [296]

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THE EFFECT OF PHENFORMIN PLUS STANZOLOL ON FIBRINOLYSIS, PLATELET ADHESIVENESS AND BLOOD LIPIDS IN PATIENTS WITH RECURRENT VENOUS THROMBOSIS. BIELAWIEC M, MYSLIWIEC M, PERZANOWSKI A *FOLIA HAEMATOL (LEIPZ)* 101: 483-8, 1974 ENG

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ACROMEGALY WITH NORMAL FASTING GROWTH HORMONE CONCENTRATIONS BUT ABNORMAL GROWTH HORMONE REGULATION. MIMS RB, BETHUNE JE *ANN INTERN MED* 81: 781-4, DEC 74 ENG

[SUBMICROSCOPIC STUDIES OF GRANULE FORMATION AND SECRETIONS OF THE ISLET CELLS OF THE PANCREAS DUE TO THE EFFECTS OF TESTOSTERONE PROPIONATE] PUZYREV AA, IVANOVA VF *ARKH ANAT GISTOL EMBRIOL* 67: 69-73, AUG 74 RUSS

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THE EFFECTS OF PHENOTHIAZINES ON ENDOCRINE FUNCTION: II. EFFECTS IN MEN AND POST-MENOPAUSAL WOMEN. BEUMONT PJ, CORKER CS, FRIESEN HG, KOLAKOWSKA T, MANDELBRÖTE M, MARSHALL J, MURRAY MA, WILES DH *BR J PSYCHIATRY* 124: 420-30, MAY 74 ENG

#### 2.F.3.2 ESTROGENS

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GROWTH HORMONE RESPONSES TO HYPOGLYCAEMIA IN WOMEN WITH SECONDARY AMENORRHOEA. HIPKIN LJ, DAVIS JC, SUMMERS VK, BENDER S, EASTMOND C *J REPROD FERTIL* 40: 375-8, OCT 74 ENG

CHEMICAL CARCINOGEN-INDUCED ALVEOLAR NODULES IN ORGAN CULTURE OF MOUSE MAMMARY GLAND. BANERJEE MR, WOOD BG, WASHBURN LL *J NATL CANCER INST* 53: 1387-93, NOV 74 ENG

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ONSET OF DIABETIC KETOACIDOSIS WITH SYMPTOMS OF ACUTE ABDOMEN DURING ORAL MESTRANOL TREATMENT. MIGNANI E, MAOLI E, CASTELLANA G, MARIGO S *ACTA DIABETOL LAT* 11: 136-9, MAR-APR 74 ENG

ESTROGEN EXCRETION IN HIGH-RISK PREGNANCY. A COMPARISON OF TWO ASSAY PROCEDURES. SIMS FH, GIESBRECHT E, TAYLOR J *AM J CLIN PATHOL* 62: 759-65, DEC 74 ENG

DIFFERENTIAL EVALUATION OF THE FETOPLACENTAL UNIT IN PATIENTS WITH DIABETES. SAMAN NA, GALLAGER HS, MICROBERTS WA JR, HOLT B *AM J OBSTET GYNECOL* 120: 825-32, 15 NOV 74 ENG

ANTENATAL DIAGNOSIS AND MANAGEMENT OF THE SMALL-FOR-GESTATIONAL AGE FETUS. MANN LI, TEJANI NA, WEISS RR *AM J OBSTET GYNECOL* 120: 995-1004, 1 DEC 74 ENG

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## 2.G OTHER ENDOCRINES AND RELATED TERMS

A NEW APPROACH FOR INVESTIGATING HYPOTHALAMO-PITUITARY-GONADAL AND ADRENAL FEEDBACK CONTROL MECHANISMS: ACTIVE IMMUNIZATION WITH STEROIDS. NIESCHLAG E, USADEL KH, KLEY HK, SCHWEDES U, SCHOFFLING K, KRUSKEMPER HL *ACTA ENDOCRINOL (KBH)* 76: 556-69, JUL 74 ENG

THE EFFECTS OF PHENOTHIAZINES ON ENDOCRINE FUNCTION: II. EFFECTS IN MEN AND POST-MENOPAUSAL WOMEN. BEUMONT PJ, CORKER CS, FRIESEN HG, KOLAKOWSKA T, MANDELBRÖTE M, MARSHALL J, MURRAY MA, WILES DH *BR J PSYCHIATRY* 124: 420-30, MAY 74 ENG

### 2.F.3.3 CORPUS LUTEUM AND PROGESTATIONAL HORMONES

#### 2.F.3.3.1 CORPUS LUTEUM HORMONES

#### 2.F.3.3.2 PROGESTATIONAL HORMONES

CHEMICAL CARCINOGEN-INDUCED ALVEOLAR NODULES IN ORGAN CULTURE OF MOUSE MAMMARY GLAND. BANERJEE MR, WOOD BG, WASHBURN LL *J NATL CANCER INST* 53: 1387-93, NOV 74 ENG

STUDIES ON A SPECIFIC GLUCOCORTICOID-HORMONE RECEPTOR IN THE DEVELOPING CHICK RETINA. WIGGERT BO, CHADER GJ *EXP EYE RES* 18: 477-84, MAY 74 ENG

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#### 2.F.3.4 CONTRACEPTIVES, ORAL

[DRUG INDUCED ENDOCRINE AND METABOLIC SIDE EFFECTS] TORSTI P *DUODECIM* 90: 1352-9, 1974 FIN [73]

## 2.F.4 GONADAL DISORDERS

ADDISON'S DISEASE - A REVIEW OF SOME CLINICAL, PATHOLOGICAL AND IMMUNOLOGICAL FEATURES. NERUP J *DAN MED BULL* 21: 201-17, OCT 74 ENG [154]

LETTER: HUMAN PLACENTAL LACTOGEN AND FETAL ABNORMALITY. YLIKORKALA O *LANCET* 2: 1141, 9 NOV 74 ENG

[TESTICULAR FEMINIZATION AND GONADAL DYSGENESIS ASSOCIATED WITH DIABETES MELLITUS] GENKOVA P, STANKUSHEVA T *VUTR BOLES* 11: 120-5, 1972 BUL

## 2.G OTHER ENDOCRINES AND RELATED TERMS

### 2.G.1 ENDOCRINE GLANDS

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[DRUG INDUCED ENDOCRINE AND METABOLIC SIDE EFFECTS] TORSTI P *DUODECIM* 90: 1352-9, 1974 FIN [73]

[THE EFFECT OF DRUGS ON THE ENDOCRINE FUNCTION TESTS (AUTHORS

TRANSL)] SUZUKI H, NAKAGAWA K, NAKAYAMA H, KUNITA H, HATA S *JPN J CLIN PATHOL* 22: 326-51, AUG 74 JPN [296]

ISLET-CELL ANTIBODIES IN DIABETES MELLITUS WITH AUTOIMMUNE POLYENDOCRINE DEFICIENCIES. BOTTAZZO GF, FLORIN-CHRISTENSEN A, DONIACH D *LANCET* 2: 1279-83, 30 NOV 74 ENG

METABOLIC AND ENDOCRINE CHANGES IN AEROBATIC FLIGHT. PINTER EJ *AEROSP MED* 45: 1159-63, OCT 74 ENG

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#### ALLNER R

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#### ALPERS DH

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#### ANNABLE L

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#### ANTHONY WL

**BIOCHEMICAL AND ELECTRON MICROSCOPIC STUDIES OF RAT SKIN DURING ZINC DEFICIENCY.** HSU JM, KIM KM, ANTHONY WL. *ADV EXP MED BIOL* 48: 347-88, 1974 ENG [54]

#### APPLETON DB

**AN EXPERIMENTAL ANIMAL MODEL FOR THE EFFECT OF KETOGENIC DIET ON EPILEPSY.** APPLETON DB, DE VIVO DC. *PROC AUST ASSOC NEUROL* 10: 75-80, 1973 ENG

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#### ARDILL J

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# BRUK BB

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# BURNHAM PA

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### CARLSON LA

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### CARPENTER FH

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### CASNELLIE JE

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### CASPARY WF

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## CHALMERS TC

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## CHAND N

EFFECT OF 3, 4-DICHLOROPROTONANILIDE ON SOME BIOCHEMICAL CONSTITUENTS IN THE BLOOD OF BUFFALO CALVES. CHAND N *INDIAN J MED SCI* 28: 76-9, FEB 74 ENG

CATTLE; ANIMAL EXPERIMENTS; MALE; ANILIDES (toxicity); HERBICIDES (toxicity); BLOOD PROTEINS (analysis); BLOOD SUGAR (analysis); PHOSPHORUS (blood); BUFFALOES; ALKALINE PHOSPHATASE (blood); CALCIUM (blood); PROPANIL (toxicity).

## CHANDLER JG

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## CHAPNICK L

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## CHARLES D

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## CHARLES MA

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## CHAUDHURI SN

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## CHAUNCEY DM

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## CHAYOTH R

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## CHEBAN AK

[HEPARIN IN THE TREATMENT OF DIABETIC ANGIOPATHY] EFIMOV AS, CHEBAN AK, BEZVERKHAIA TP, BUGLAK NI, DANILOVA AI *TER ARKH* 46: 78-84, 1974 RUS

## CHEEK DB

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## CHEMISHANSKI G

[DISPENSARY OBSERVATION OF PATIENTS WITH DIABETES MELLITUS AT THE 1ST CITY HOSPITAL OF SOFIA] CHEMISHANSKI G, POPOVA D *VUTR BOLES* 11: 50-6, 1972 BUL

ADOLESCENCE; ADULT; AGED; AMBULATORY CARE; BULGARIA; DIABETES MELLITUS (therapy); ENGLISH ABSTRACT; HOSPITAL OUTPATIENT CLINICS; HUMAN; MIDDLE AGE; OCCUPATIONS.

## CHEN IW

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## CHEN R

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## CHERNISH SM

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## CHICHE B

### CHICHE B

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### CHICHKOVSKAIA GV

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### CHIPLEY JR

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### CHIVA CARRION L

MATERNAL DISORDERS OF CARBOHYDRATE METABOLISM IN CASES OF CARDIAC EMBRYOPATHY. LOPEZ-QUIJADA C, CHIVA CARRION L *ACTA DIABETOL LAT* 11: 140-8, MAR-APR 74 ENG

### CHIZMADZHEV IUA

[THEORY OF ION TRANSPORT THROUGH THE SODIUM CHANNEL OF BIOLOGICAL MEMBRANES] CHIZMADZHEV IUA, KHODOROV BI, AITIAN SKH *DOKL AKAD NAUK SSSR* 213: 722-5, 21 NOV 73 RUS  
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### CHOBSIENG P

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### CHRISTIANSEN J

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ADULT; DEPRESSION, CHEMICAL; ESOPHAGUS (drug effects); FEMALE; GLUCAGON (pharmacodynamics); HUMAN; MALE; MUSCLES (drug effects); PENTAGASTRIN (pharmacodynamics); PRESSURE; SECRETIN (pharmacodynamics); STIMULATION, CHEMICAL.

### CHRISTEN G

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### CHRISTOPHE J

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### CHUGH KS

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### CHUI A

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[COEFFICIENT OF GLUCOSE ASSIMILATION AND BLOOD SUGAR CURVES FOLLOWING ADMINISTRATION OF TOLBUTAMIDE TO PATIENTS WITH CHRONIC HEPATITIS] CIBA T, SOWA J *POL ARCH MED WEWN* 52: 457-64, NOV 74 POL

ADOLESCENCE; ADULT; BLOOD SUGAR (analysis); CHRONIC DISEASE; ENGLISH ABSTRACT; GLUCOSE (metabolism, administration & dosage); HEPATITIS (metabolism); HUMAN; INJECTIONS, INTRAVENOUS; MIDDLE AGE; TOLBUTAMIDE (pharmacodynamics, administration & dosage).

### CLARK RG

SOME ASPECTS OF CARBOHYDRATE METABOLISM FOLLOWING SURGERY. CLARK RG *PROC R SOC MED* 67: 831-3, SEP 74 ENG  
GLUCOSE TOLERANCE TEST; GLUCOSE (metabolism, administration & dosage); HUMAN; INSULIN (secretion); PANCREAS (secretion); POSTOPERATIVE CARE; PYLORUS (surgery); SORBITOL (administration & dosage); SURGERY, OPERATIVE; VAGOTOMY.

### CLARKSON AR

THE ROLE OF COAGULATION IN RENAL DISEASE. MACDONALD MK, CLARKSON AR, DAVISON AM *PERSPECT NEPHROL HYPERTENS* 1 PT 2: 809-28, 1973 ENG

### CLEMENS JA

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blood); CASTRATION; CHLORPROMAZINE (administration & dosage, pharmacodynamics); ANTIDEPRESSIVE AGENTS (pharmacodynamics); RESERPINE (administration & dosage, pharmacodynamics); METHYLTYROSINES (administration & dosage, pharmacodynamics); SEX HORMONES (physiology); PIMOZIDE (administration & dosage, pharmacodynamics); INJECTIONS, INTRAPERITONEAL; ESTRADIOL (administration & dosage, pharmacodynamics); PROGESTERONE (administration & dosage, pharmacodynamics); STIMULATION, CHEMICAL.

### CLEMMONS JE

A MECHANISM FOR HYPOTENINEMIC HYPOALDOSTERONISM IN CHRONIC RENAL DISEASE. OH MS, CARROLL HJ, CLEMMONS JE, VAGNUCCI AH, LEVISON SP, WHANG ES *METABOLISM* 23: 1157-66, DEC 74 ENG

### COHEN ND

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ANIMAL EXPERIMENTS; BENZANTHRACENES; CARBON DIOXIDE (metabolism); CARBON RADIOISOTOPES; CARCINOGENS; DIABETES MELLITUS (chemically induced); DNA, NEOPLASM (metabolism); FATTY ACIDS (biosynthesis); GLUCOSE (metabolism); GLUCOSEPHOSPHATE DEHYDROGENASE (metabolism); IN VITRO; INSULIN (pharmacodynamics); MAMMARY NEOPLASMS, EXPERIMENTAL (metabolism, chemically induced, pathology, complications); NEOPLASM PROTEINS (metabolism); PHOSPHOFRUCTOKINASE (metabolism); PYRUVATE KINASE (metabolism); RATS; RNA, NEOPLASM (metabolism); STREPTOZOTOCIN; TIME FACTORS.

### COLIN R

[PORTAL IMPLANTATION OF EXOGENOUS PANCREATIC ISLAND ALLOGRAFTS, IN THE TREATMENT OF EXPERIMENTAL DIABETES] COLIN R, BAILLAT X *CHIRURGIE* 100: 571-80, 29 MAY 74 FRE  
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### COLLARD F

[CONTINUOUS RECORDING OF BLOOD SUGAR IN DIABETES MELLITUS] MIROUZE J, COLLARD F *ANN MED INTERNE (PARIS)* 125: 313-22, APR 74 FRE

### COMINACINI L

[COMPARATIVE STUDIES OF THE BEHAVIOR OF BLOOD CALCIUM AND URINARY HYDROXYPROLINE AFTER INFUSION OF CALCIOTONIN AND GLUCAGON IN PATIENTS WITH PAGETS DISEASE] LO CASCIO V, LECHI C, ADAMI S, BIANCHI I, COMINACINI L, GALVANINI G *BOLL SOC ITAL BIOL SPER* 50: 55-61, 31 JAN 74 ITA

### CONAWAY HH

INSULIN SECRETION INDUCED BY NA& DEPRIVATION. GRIFFEY MA, CONAWAY HH, WHITNEY JE *ENDOCRINOLOGY* 95: 1469-72, NOV 74 ENG



## CONDORELLI M

EFFECTS OF DIFFERENT PROSTAGLANDINS ON GLUCOSE KINETICS IN THE RAT. SACCA L, PEREZ G, RENGO F, CONDORELLI M *DIABETES* 23: 532-5, JUN 74 ENG

## CONNELL AM

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## CONNELLY TG

INFLUENCE OF HYPOPHYSECTOMY AND STARVATION ON BLOOD GLUCOSE LEVELS IN THE NEWT, *NOTOPHTHALMUS VIRIDESCENS*. CONNELLY TG, GOLDSTEIN AM, YAMADA T *J EXP ZOOL* 188: 367-73, JUN 74 ENG

ANIMAL EXPERIMENTS; MALE; FEMALE; SALAMANDERS (metabolism); PITUITARY GLAND (physiology); HYPOPHYSECTOMY; BLOOD SUGAR (analysis); STARVATION (metabolism); LIVER GLYCOGEN (metabolism).

## COOK AM

EVIDENCE FOR THE IN VIVO REGULATION OF GLUCOSE 6-PHOSPHATE DEHYDROGENASE ACTIVITY IN *HYDROGNOMONAS EUTROPHA* H 16 FROM MEASUREMENTS OF THE INTRACELLULAR CONCENTRATIONS OF METABOLIC INTERMEDIATES. BOWEN B, COOK AM, SCHLEGEL HG *ARCH MICROBIOL* 97: 273-81, 20 MAY 74 ENG

## COOK DM

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## COOK GC

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HUMAN; GAMMA GLOBULIN (analysis); INTESTINAL ABSORPTION; GLUCOSE (metabolism); GLYCINE (metabolism); DIPEPTIDES (metabolism); JEJUNUM (metabolism); NUTRITION DISORDERS (metabolism); DIETARY CARBOHYDRATES (metabolism).

## COPINSCHI G

SPECIFIC INHIBITION BY SOMATOSTATIN OF GROWTH HORMONE RELEASE AFTER HYPOGLYCAEMIA IN NORMAL MAN. COPINSCHI G, VIRASORO E, VANHAELST L, LECLERCQ R, GOLSTEIN J, LHERMITE M *CLIN ENDOCRINOL (OXF)* 3: 411-5, OCT 74 ENG

ADOLESCENCE; ADULT; DEPRESSION, CHEMICAL; FSH (blood); HUMAN; HYDROCORTISONE (blood); HYPOGLYCEMIA (physiopathology, chemically induced); INSULIN; MALE; PROLACTIN (blood); SOMATOTROPIN RELEASING HORMONE (antagonists & inhibitors); SOMATOTROPIN (secretion); THYROTROPIN (blood).

## CORI CF

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## CORKER CS

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## CORNELL RP

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## CORSINI GU

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ANIMAL EXPERIMENTS; BIGUANIDES (pharmacodynamics); CARBON DIOXIDE (metabolism); CARBON RADIOISOTOPES; DIAPHRAGM (metabolism); FATTY ACIDS (metabolism); GLUCOSE (metabolism); IN VITRO; MALE; MUSCLES (metabolism); OXIDATION-REDUCTION; OXYGEN CONSUMPTION; PALMITIC ACID (metabolism); PHENFORMIN (pharmacodynamics); RATS.

## CORVALAN JC

BODY BUILD AND SLEEP-RELATED GROWTH HORMONE SECRETION. OTHMER E, LEVINE WR, MALARKEY WB, CORVALAN JC, HAYDEN-OTTO MP, FISHMAN PM, DAUGHADAY WH *HORM RES* 5: 156-66, 1974 ENG

## CORVILAIN J

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## COSCAS G

[TECHNIC AND INDICATIONS FOR ARGON LASER PHOTOCOAGULATION IN THE TREATMENT OF DIABETIC RETINOPATHY] HAUT J, COSCAS G, ROUSSELIE F *BULL SOC OPHTHALMOL FR* 74: 51-61, JAN 74 FRE

## CRANE RK

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## CRASTES DE PAULET A

[MEASUREMENT OF PLASMA CORTISOL THROUGH RADIOCOMPETITION IN THE INSULIN STIMULATION TEST IN CHILDREN] BRESSOT N, GOURDON J, ROCHEFORT H, DUMAS R, CRASTES DE PAULET A *BIOMEDICINE [EXPRESS]* 21: 135-9, 20 MAR 74 FRE

## CRASWELL PW

USE OF METOLAZONE, A NEW DIURETIC, IN PATIENTS WITH RENAL DISEASE. CRASWELL PW, EZZAT E, KOPSTEIN J, VARGHESE Z, MOORHEAD JF *NEPHRON* 12: 63-73, 1974 ENG

ADULT; MIDDLE AGE; HUMAN; MALE; FEMALE; DIURETICS, SULFAMYL (therapeutic use, administration & dosage); KIDNEY DISEASES (drug therapy);

ANTIHYPERTENSIVE AGENTS (therapy, administration & dosage); QUINAZOLINES (therapeutic use, administration & dosage); INJECTIONS, INTRAVENOUS; ADMINISTRATION, ORAL; GLOMERULAR FILTRATION RATE; SODIUM (urine); INULIN (urine); POTASSIUM (urine); EDEMA (drug therapy); HYPERTENSION (drug therapy); BLOOD PRESSURE; RENIN (blood); CREATININE (urine); LIVER FUNCTION TESTS; URIC ACID (blood); BLOOD SUGAR (analysis).

## CREPALDI G

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## CREUTZFELDT W

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## CRISPIN JS

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## CRISTANI A

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COMMENTARY. INSULIN RECEPTORS, CELL MEMBRANES AND HORMONE ACTION. CUATRECASAS P *BIOCHEM PHARMACOL* 23: 2353-61, 1 SEP 74 ENG

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ADIPOSE TISSUE (metabolism, cytology); BINDING SITES (drug effects); CELL MEMBRANE (drug effects, metabolism); CELLS, CULTURED; DETERGENTS; DRUG RESISTANCE; EXTRACELLULAR SPACE (metabolism); GLUCAGON (metabolism); GLUCOSE (metabolism); GLYCOPROTEINS (metabolism); GLYCOSIDES (metabolism); GUANOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); HORMONES (pharmacodynamics); INSULIN (metabolism); IODINE RADIOISOTOPES; LYMPHOCYTE TRANSFORMATION (drug effects); MITOGENS (pharmacodynamics); PLANT AGGLUTININS (pharmacodynamics); RECEPTORS, HORMONE (drug effects); STIMULATION, CHEMICAL; TRITIUM.

EDITORIAL: PROBLEMS IN RECEPTOR IDENTIFICATION: CATECHOLAMINES. CUATRECASAS P *N ENGL J MED* 291: 208, 25 JUL 74 ENG

ANIMAL EXPERIMENTS; CATECHOLAMINES (metabolism); RECEPTORS, DRUG; RECEPTORS, HORMONE; RECEPTORS, ADRENERGIC; BINDING SITES; TRITIUM.

## CUDWORTH AG

LETTER: HL-A ANTIGENS AND DIABETES MELLITUS. CUDWORTH AG, WOODROW JC *LANCET* 2: 1153, 9 NOV 74 ENG

ADOLESCENCE; ADULT; AGE FACTORS; COMPARATIVE STUDY; COXSACKIE VIRUS INFECTIONS (complications); DIABETES MELLITUS (immunology, familial & genetic); DIABETES MELLITUS, JUVENILE (immunology, etiology, diagnosis); GENES;

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GLUCOSE TOLERANCE TEST; HAPLOIDY; HISTOCOMPATIBILITY ANTIGENS (isolation & purification); HL-A (isolation & purification); HUMAN; PEDIGREE.

## CUNNINGHAM BA

MOLECULAR ANALYSIS OF THE INITIAL EVENTS IN MITOGENESIS. CUNNINGHAM BA, WANG JL, GUNTHER GR, REEKE GN JR. *BECKER JW SOC GEN PHYSIOL SER* 29: 177-97, 1974 ENG [37]

ANHYDRIDES; ANIMAL EXPERIMENTS; ANTIBODY FORMATION; AUTORADIOGRAPHY; B-LYMPHOCYTES (immunology); BINDING SITES, ANTIBODY; CELLS, CULTURED; COLCHICINE (pharmacodynamics); CONCANAVALIN A (analysis, pharmacodynamics); DNA (biosynthesis); GLYCOLIPIDS (analysis); GLYCOPROTEINS (analysis); INSULIN; LYMPHOCYTE TRANSFORMATION; MANNANOSE (pharmacodynamics); MICE; MITOSIS; MOLECULAR CONFORMATION; REVIEW; SUCCINATES; T-LYMPHOCYTES (immunology); THYMIDINE (metabolism); TRITIUM; VINBLASTINE (pharmacodynamics); VINCRISTINE (pharmacodynamics).

## CUNNINGHAM DD

DISSOCIATION OF INCREASED HEXOSE TRANSPORT FROM INITIATION OF FIBROBLAST PROLIFERATION. THRASH CR, CUNNINGHAM DD. *NATURE* 252: 45-7, 1 NOV 74 ENG

## CURRAN PF

GALACTOSE TRANSPORT IN RABBIT ILEUM. NAFTALIN R, CURRAN PF. *J MEMBR BIOL* 16: 257-78, 1974 ENG

## CURRY DL

REVERSAL OF SOMATOSTATIN INHIBITION OF INSULIN SECRETION BY CALCIUM. CURRY DL, BENNETT LL. *BIOCHEM BIOPHYS RES COMMUN* 60: 1015-9, 8 OCT 74 ENG

ANIMAL EXPERIMENTS; CALCIUM (pharmacodynamics, administration & dosage); DOSE-RESPONSE RELATIONSHIP, DRUG; GLUCOSE (metabolism); INSULIN (secretion); PANCREAS (secretion); PEPTIDES (pharmacodynamics); PERFUSION; RATS; SOMATOTROPIN RELEASING HORMONE (antagonists & inhibitors); TIME FACTORS.

## CURZON G

EFFECTS ON PLASMA AND BRAIN TRYPTOPHAN IN THE RAT OF DRUGS AND HORMONES THAT INFLUENCE THE CONCENTRATION OF UNESTERIFIED FATTY ACID IN THE PLASMA. CURZON G, KNOTT PJ. *BR J PHARMACOL* 50: 197-204, FEB 74 ENG

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (physiology); AMINOPHYLLINE (pharmacodynamics); ANIMAL EXPERIMENTS; BRAIN CHEMISTRY (drug effects); CAFFEINE (pharmacodynamics); DOPA (pharmacodynamics); EPINEPHRINE (pharmacodynamics); FATTY ACIDS, NONESTERIFIED (blood); FOOD DEPRIVATION; HYDROXYINDOLEACETIC ACID (analysis); INJECTIONS, SUBCUTANEOUS; INSULIN (pharmacodynamics); ISOPROTERENOL (pharmacodynamics); MALE; NICOTINIC ACID (pharmacodynamics); PROTEIN BINDING; RATS; SEROTONIN (analysis); SODIUM CHLORIDE (pharmacodynamics); THEOBROMINE (pharmacodynamics); TRYPTOPHAN (blood).

## CUTFIELD JF

LOW RESOLUTION CRYSTAL STRUCTURE OF HAGFISH INSULIN. CUTFIELD JF, CUTFIELD SM, DODSON EJ, DODSON GG,

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SABESAN MN. *J MOL BIOL* 87: 23-30, 25 JUL 74 ENG

ANIMAL EXPERIMENTS; CRYSTALLOGRAPHY; CYCLOSTOMES; INSULIN; MACROMOLECULAR SYSTEMS; PROTEIN CONFORMATION; SWINE; X-RAY DIFFRACTION.

## CUTFIELD SM

LOW RESOLUTION CRYSTAL STRUCTURE OF HAGFISH INSULIN. CUTFIELD JF, CUTFIELD SM, DODSON EJ, DODSON GG, SABESAN MN. *J MOL BIOL* 87: 23-30, 25 JUL 74 ENG

## CZECH MP

EVIDENCE FOR THE INVOLVEMENT OF SULFHYDRYL OXIDATION IN THE REGULATION OF FAT CELL HEXOSE TRANSPORT BY INSULIN. CZECH MP, LAWRENCE JC JR, LYNN WS. *PROC NATL ACAD SCI USA* 71: 4173-7, OCT 74 ENG

ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT; BROWN FAT (metabolism, cytology); DITHIOHREITOL (pharmacodynamics); ETHYLMALIMIDE (pharmacodynamics); FEMALE; GLUCOSE (metabolism, analogs & derivatives); HYDROGEN PEROXIDE (pharmacodynamics); IN VITRO; INSULIN (pharmacodynamics); IODINE RADIOISOTOPES; OXIDATION-REDUCTION; RATS; RECEPTORS, HORMONE; TRITIUM.

## CZECH W

[THYROID FUNCTION TESTS: ERYTHROCYTES (ET3) AND RESIN (WZ-T3), THYROXINE IODINE AND THE FREE THYROXINE INDEX IN PREGNANT WOMEN WITH DIABETES MELLITUS, TREATED WITH INSULIN] PISAREK-MIEDZINSKA D, JANCZEWSKA E, CZECH W. *GINEKOL POL* 45: 1169-72, OCT 74 POL

## CZYZYK A

INSULIN-BINDING ANTIBODIES IN SERUM OF DIABETIC CHILDREN TREATED WITH MONOCOMPONENT INSULIN. SYMONIDES-LAWECKA A, LUDWICZAK H, ROGALA H, LAWECKI J, CZYZYK A. *ACTA DIABETOLOGICA* 11: 165-70, MAR-APR 74 ENG

## DAGOSTINO RB

GLUCOSE DISPOSAL RATES AND THE GLUCOSE CHALLENGE IN PREGNANT WOMEN. OSULLIVAN JB, MAHAN CM, DAGOSTINO RB, CHARLES D. *J CLIN ENDOCRINOL METAB* 39: 1067-71, DEC 74 ENG

## DAHL R

CARBOHYDRATE TRANSPORT AND CYCLIC 3,5 ADENOSINE MONOPHOSPHATE (CAMP) LEVELS IN A TEMPERATURE SENSITIVE PHOSPHOTRANSFERASE MUTANT OF *ESCHERICHIA COLI*. DAHL R, MORSE HG, MORSE ML. *MOL GEN GENET* 129: 1-10, 6 MAR 74 ENG

CARBOHYDRATES (metabolism); ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); MUTATION; *ESCHERICHIA COLI* (enzymology); PHOSPHOTRANSFERASES (metabolism); HEAT; BIOLOGICAL TRANSPORT; PHENOTYPE; LACTOSE (metabolism); MALTOSE (metabolism); GLYCERIN (metabolism); PHOSPHOENOLPYRUVATE; PHOSPHATES (metabolism).

## DALFERES ER JR

MUCOPOLYSACCHARIDE-LIPOPROTEIN COMPLEXES IN ATHEROSCLEROTIC AORTA. BERENSON GS, SRINIVASAN SR, RADHAKRISHNAMURTHY B, DALFERES ER JR. *ADV EXP MED BIOL* 43: 141-59, 1974 ENG [28]

## DALLMAN M

PROCEEDINGS: CORTICOSTEROID FEEDBACK AT THE PITUITARY LEVEL. BRUSH FR, DALLMAN M, JONES MT, TIPTAFT E. *N ENGL J MED* 291: LXIV-LXV, 11 JUN 74 ENG

## DALLOW RL

PENETRATION OF RETINAL AND VITREOUS OPACITIES IN DIABETIC RETINOPATHY. USE OF INFRARED FUNDUS PHOTOGRAPHY. DALLOW RL, MCMEEL JW. *ARCH OPHTHALMOL* 92: 531-4, DEC 74 ENG

CHOROID (blood supply); DIABETIC RETINOPATHY (diagnosis, complications); EVALUATION STUDIES; EXUDATES AND TRANSUDATES; EYE DISEASES; FUNDUS OCULI; HUMAN; INFRARED RAYS; OPTIC NERVE; PHOTOGRAPHY (methods); RETINAL DISEASES (complications); RETINAL HEMORRHAGE (diagnosis); RETINAL VESSELS; VITREOUS BODY.

## DAL PALU C

STUDY ON THE RISK FACTORS OF CORONARY HEART DISEASE IN FAMILY AGGREGATES OF VERONA. PAGNAN A, DONADON V, FERRARI S, GIRELLI BRUNI E, TONOLLI E, DAL PALU C. *G ITAL CARDIOL* 4: 249-60, 1974 ENG

## DAMBACH G

SUBSTRATE-INDUCED MEMBRANE POTENTIAL CHANGES IN THE PERFUSED RAT LIVER. DAMBACH G, FRIEDMANN N. *BIOCHIM BIOPHYS ACTA* 367: 366-70, 15 NOV 74 ENG

ACETATES (pharmacodynamics); ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics); ALANINE (pharmacodynamics); AMINOISOBUTYRIC ACID (pharmacodynamics); ANIMAL EXPERIMENTS; CELL MEMBRANE (physiology, drug effects); COMPARATIVE STUDY; FRUCTOSE (pharmacodynamics); GALACTOSE (pharmacodynamics); GLUCAGON (pharmacodynamics); GLUCOSE (pharmacodynamics); LACTATES (pharmacodynamics); LIVER (physiology, drug effects); LYSINE (pharmacodynamics); MALE; MEMBRANE POTENTIALS (drug effects); OUABAIN (pharmacodynamics); PALMITIC ACID (pharmacodynamics); PERFUSION; PYRUVATES (pharmacodynamics); RATS.

## DANIELSSON A

TRANSPORT AND OXIDATION OF AMINO ACIDS AND GLUCOSE IN THE ISOLATED EXOCRINE MOUSE PANCREAS: EFFECTS OF INSULIN AND PANCREOZYMIN. DANIELSSON A, SEHLIN J. *ACTA PHYSIOL SCAND* 91: 557-65, AUG 74 ENG

ALANINE (metabolism); ANIMAL EXPERIMENTS; CARBON RADIOISOTOPES; CHOLECYSTOKININ (pharmacodynamics); DEPRESSION, CHEMICAL; FEMALE; GLUCOSE (metabolism, pharmacodynamics); INSULIN (pharmacodynamics); LEUCINE (metabolism); MICE; OXIDATION-REDUCTION; PANCREAS (drug effects, metabolism); PANCREOZYMIN (pharmacodynamics); STIMULATION, CHEMICAL; TIME FACTORS; TRITIUM; UREA (metabolism).

## DANILOVA AI

[HEPARIN IN THE TREATMENT OF DIABETIC ANGIOPATHY] EFIMOV AS, CHEBAN AK, BEZVERKHAIA TP, BUGLAK NI, DANILOVA AI. *TER ARKH* 46: 78-84, 1974 RUSS

## DAOUD AS

ARTERIAL MESENCHYME AND ARTERIOSCLEROSIS. PRODUCTION OF MONOSACCHARIDES, COLLAGEN, AND

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#### DAS HK

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#### DAVIDSEN O

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#### DAVIDSON DC

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#### DEBRY D

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### DELAVIERRE P

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### DENNIS SM

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**DOGLIANI M**

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**DONADON W**

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**DROPOVA K**

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[OCULOMOTOR PARALYSIS IN DIABETES] DUCLOS H *REV PRAT* 24: 3141-2 *PASSIM*, 24 JUN 74 *FRE*

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**DZHONOV A**

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EKLUND B

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HUMAN; HYPERLIPIDEMIA (complications);  
HYPERTENSION (complications);  
MENSTRUATION DISORDERS (drug therapy);  
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FACTORS; SMOKING (complications);  
TRIGLYCERIDES (blood); URIC ACID (blood).

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(diagnosis, therapy, blood); CHOLESTEROL  
(blood); TRIGLYCERIDES (blood).

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### FISHER DA

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### FISHMAN PM

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### FORSHAM PH

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### FOY JM

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**FRIEDMANN N**

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**FUJIMORI K**

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RATS; ANIMAL EXPERIMENTS; BLOOD SUGAR (metabolism); CHLORPROMAZINE (administration & dosage, pharmacodynamics); CEREBRAL VENTRICLES; AMINOBUTYRIC ACID (physiology); INJECTIONS.

**FUJITA H**

ELECTRON MICROSCOPIC OBSERVATIONS ON THE PANCREATIC B CELL IN STREPTOZOTOCIN-INDUCED HYPERGLYCEMIC RATS. SHINKAWA Y, KATAOKA K, FUJITA H *HIROSHIMA J MED SCI* 22: 447-59, DEC 73 ENG

**FUJIMOTO H**

[INTERFERING FACTORS IN IMMUNOLOGICAL PREGNANCY TESTS WITH SPECIAL REFERENCES TO URINARY CONSTITUENTS (AUTHORS TRANSL)] FUKUOKA Y, ITO C, FUJIMOTO H *JPN J CLIN PATHOL* 22: 255-62, AUG 74 JPN [54]

**FUKUOKA Y**

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FEMALE; GLYCOSURIA; HEMAGGLUTINATION INHIBITION TESTS; HUMAN; HYDROGEN-ION CONCENTRATION; PREGNANCY TESTS, IMMUNOLOGIC; PREGNANCY; PROTEINURIA; REVIEW; SPECIMEN HANDLING; URINE (analysis).

**FURCHT LT**

DIFFERENCES IN MEMBRANE FLUIDITY AND STRUCTURE IN CONTACT-INHIBITED AND TRANSFORMED CELLS. BARNETT RE, FURCHT LT, SCOTT RE *PROC NATL ACAD SCI USA* 71: 1992-4, MAY 74 ENG

**FURNELLE J**

CONTROL OF LIPID METABOLISM IN ADIPOSE-TISSUE HOMOGENATES OF FASTED REFed RATS. WINAND J, FURNELLE J, HEBBELINCK M, CHRISTOPHE J *EUR J BIOCHEM* 43: 299-305, 1 APR 74 ENG

**FUSS M**

125I-INSULIN METABOLISM IN CHRONIC RENAL FAILURE TREATED BY RENAL TRANSPLANTATION. FUSS M, BERGANS A, BRAUMAN H, TOUSSAINT C, VEREERSTRAETEN P, FRANCKSON M, CORVILAIN J *KIDNEY INT* 5: 372-7, MAY 74 ENG

ADOLESCENCE; ADULT; ELECTROPHORESIS; FEMALE; GLOMERULAR FILTRATION RATE; HUMAN; INSULIN (metabolism, blood, urine); IODINE

ISOTOPES, DIAGNOSTIC; KIDNEY FAILURE, CHRONIC (metabolism, therapy, physiopathology); KIDNEY TUBULES (physiopathology); KIDNEY (transplantation, metabolism, physiopathology); MALE; MIDDLE AGE; TRANSPLANTATION, HOMOLOGOUS.

**GAAL M**

[EFFECT OF STREPTOZOTOCIN-INDUCED DIABETES ON PREGNANCY IN RATS] SZALAY J, GAAL M *MORPHOL IGASZAGYI ORV SZ* 14: 267-72, OCT 74 HUN

**GACS G**

PLASMA GLUCOSE, INSULIN AND FREE FATTY ACIDS DURING LONG-TERM CORTICOSTEROID TREATMENT IN CHILDREN. GACS G, BEREND K *ACTA ENDOCRINOL (KBH)* 77: 699-704, DEC 74 ENG

ADOLESCENCE; ARGININE (pharmacodynamics); ARTHRITIS, JUVENILE RHEUMATOID (drug therapy, blood); BLOOD SUGAR (metabolism); CHILD; CHILD, PRESCHOOL; FATTY ACIDS, NONESTERIFIED (blood); GLUCOSE TOLERANCE TEST; GLUCOSE (pharmacodynamics); HUMAN; INSULIN (blood); NEPHROSIS (drug therapy, blood); PREDNISOLONE (therapeutic use, administration & dosage); RHEUMATIC FEVER (drug therapy, blood); STIMULATION, CHEMICAL; TIME FACTORS.

**GAD T**

THE RESPONSE OF YOUNG DIABETICS TO PERIODONTAL TREATMENT. BAY I, AINAMO J, GAD T *J PERIODONTOL* 45: 806-8, NOV 74 ENG

**GALE CC**

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**GALLAGER HS**

DIFFERENTIAL EVALUATION OF THE FETOPLACENTAL UNIT IN PATIENTS WITH DIABETES. SAMANA NA, GALLAGER HS, MCROBERTS WA JR, HOLT B *AM J OBSTET GYNECOL* 120: 825-32, 15 NOV 74 ENG

**GALVANINI G**

[COMPARATIVE STUDIES OF THE BEHAVIOR OF BLOOD CALCIUM AND URINARY HYDROXYPROLINE AFTER INFUSION OF CALCITONIN AND GLUCAGON IN PATIENTS WITH PAGETS DISEASE] LO CASCIO V, LECHI C, ADAMI S, BIANCHI I, COMINACINI L, GALVANINI G *BOLL SOC ITAL BIOL SPER* 50: 55-61, 31 JAN 74 ITA

**GANDER JE**

INFLUENCE OF 2-DEOXY-D-GLUCOSE ON GALACTOFURANOSIDASE AND PEP-TIDOPHOSPHOGALACTOMANNAN SYNTHESIS IN PENICILLIUM CHARLESII. GANDER JE, FANG F *BIOCHEM BIOPHYS RES COMMUN* 58: 368-74, 20 MAY 74 ENG

DEOXY SUGARS (pharmacodynamics); GLUCOSE (pharmacodynamics); GALACTOSIDASE (biosynthesis); GLYCOPETIDES (biosynthesis); PENICILLIUM (metabolism, drug effects); CHROMATOGRAPHY, GAS; GALACTOSE (analysis); MANNANOSE (analysis); ORGANOPHOSPHORUS COMPOUNDS; CARBON RADIOISOTOPES; SPECTROPHOTOMETRY, ULTRAVIOLET; CELL DIVISION; ETHANOLAMINES (analysis); AMINO ACIDS (analysis); TIME FACTORS.

## GANGULI PC

### GANGULI PC

REPRODUCIBILITY OF PLASMA GASTRIN CONCENTRATION AND GASTRIC PEPSIN OUTPUT AFTER INSULIN-INDUCED HYPOGLYCAEMIA. ELDER JB, WALKER DI, GANGULI PC, GILLESPIE IE *SCAND J GASTROENTEROL* 9: 731-4, NOV 74 ENG

### GARBARG S

[NUMERICAL ESTIMATE OF THE RISK OF ARTERIAL ATHEROMA. (ITS VALUE IN THE DETECTION OF THREATENED INDIVIDUALS AND OBSERVATION OF SUCH INDIVIDUALS)] ARNAL J, GARBARG S *CAH MED* 14: 1037-44, 30 NOV 73 FRE

### GARCIA G

[HYPERINSULINEMIA IN CHILDREN WITH CHEMICAL DIABETES MELLITUS] PARRA A, PEREZ-PASTEN E, ROSALES R, CERVANTES C, ARGOTE RM, GARCIA G *ARCH INVEST MED (MEX)* 5: 117-24, 1974 SPA

### GARLAND RC

RELIPIDATION OF PHOSPHOLIPID-DEPLETED MICROSOMAL PARTICLES WITH HIGH GLUCOSE 6-PHOSPHATASE ACTIVITY. GARLAND RC, CORI CF, CHANG HW *PROC NATL ACAD SCI USA* 71: 3805-9, OCT 74 ENG

CELL FRACTIONATION; CENTRIFUGATION; DENSITY GRADIENT; DEOXYCHOLIC ACID; DIABETES MELLITUS (metabolism); ENDOPLASMIC RETICULUM (drug effects, enzymology); GLUCOSEPHOSPHATASE (metabolism); LIVER (ultrastructure, drug effects); MICROSOMES, LIVER (enzymology, metabolism); PHENOBARBITAL (pharmacodynamics); PHOSPHOLIPIDS (metabolism).

### GARWIN JL

INDUCTION OF TYROSINE AMINOTRANSFERASE BY SEPHAROSE-INSULIN. GARWIN JL, GELEHRTER TD *ARCH BIOCHEM BIOPHYS* 164: 52-9, SEP 74 ENG

BINDING SITES; CELL LINE; COMPARATIVE STUDY; DACTINOMYCIN (pharmacodynamics); DEXAMETHASONE (pharmacodynamics); ENZYME INDUCTION (drug effects); FREEZE DRYING; HEPATOMA; INSULIN (pharmacodynamics, metabolism); KINETICS; MACROMOLECULAR SYSTEMS; POLYSACCHARIDES (pharmacodynamics); PROTEIN BINDING; RATS; SEPHAROSE (pharmacodynamics); SWINE; TIME FACTORS; TYROSINE AMINOTRANSFERASE (biosynthesis).

### GATSURA VV

[CATHETERIZATION OF THE CARDIAC VEINS AND THE STUDY OF SOME OF THE EARLY METABOLIC DISORDERS IN THE ISCHEMIC MYOCARDIUM] GATSURA VV, SURMENKOVA AA, PICHUGIN VV *KARDIOLOGIJA* 14: 72-7, APR 74 RUS

DOGS; ENGLISH ABSTRACT; ANIMAL EXPERIMENTS; HEART CATHETERIZATION; CORONARY DISEASE (metabolism); MYOCARDIUM (metabolism); COLLATERAL CIRCULATION; BLOOD PRESSURE DETERMINATION; ELECTROCARDIOGRAPHY; LIGATION; CORONARY VESSELS; LACTATES (blood); BLOOD SUGAR (analysis); HYDROGEN-ION CONCENTRATION; OSMOTIC FRAGILITY; ERYTHROCYTES (physiology); PYRUVATES (blood).

### GATTNER HG

SELECTIVE CLEAVAGE OF ONE DISULFIDE BOND IN INSULIN: PREPARATION AND PROPERTIES OF INSULIN A7-B7-DI-S-SULFONATE. BUSSE WD, GATTNER HG *HOPPE SEYLER'S Z PHYSIOL CHEM* 354: 147-55, FEB 73 ENG

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### GEER JC

MORPHOLOGY OF MESENCHYMAL ELEMENTS OF NORMAL ARTERY, FATTY STREAKS, AND PLAQUES. GEER JC, WEBSTER WS *ADV EXP MED BIOL* 43: 9-33, 1974 ENG [89]

RABBITS; REVIEW; ANIMAL EXPERIMENTS; HUMAN; ARTERIES (anatomy & histology, pathology, classification, physiology, cytology); FATTY STREAK, ARTERIAL (pathology, chemically induced); ARTERIOSCLEROSIS (pathology, immunology); ENDOTHELIAL (cytology, pathology); AGE FACTORS; CONNECTIVE TISSUE CELLS (cytology); MUSCLE, SMOOTH (cytology, pathology); TRITIUM; THYMIDINE; CHOLESTEROL; DIETARY (adverse effects); AGING; MAST CELLS; MYOFIBRILS; ORGANIDS; CELLULAR INCLUSIONS; CELL NUCLEUS; MICROSCOPY, ELECTRON.

### GELEHRTER TD

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### GEMBA T

[CIRCADIAN RHYTHMS IN THE HUMAN BIOLOGICAL FLUIDS (AUTHORS TRANSL.)] GEMBA T *JPN J CLIN PATHOL* 22: 59-81, AUG 74 JPN [63]

ADRENAL CORTX HORMONES (blood); ADULT; BILIRUBIN (blood); BLOOD PROTEINS (analysis); BODY FLUIDS (analysis); CALCIUM (blood); CHLORIDES (blood); CIRCADIAN RHYTHM; COPPER (blood); FEMALE; HUMAN; INSULIN (blood); IRON (blood); LIPIDS (blood); MAGNESIUM (blood); MALE; REVIEW; SLEEP; SODIUM (blood); SPECIMEN HANDLING; THYROID HORMONES (blood); WAKEFULNESS.

### GENAZZANI AR

IN VITRO SYNTHESIS OF AN ACTH-LIKE HORMONE AND HUMAN CHORIONIC SOMATOMAMOTROPIN BY PLACENTAL AND AMNIOTIC CELLS. GENAZZANI AR, HURLIMANN J, FIORETTI P, FELBER JP *EXPERIENTIA* 30: 430-2, 15 APR 74 ENG

HUMAN; IN VITRO; CORTICOTROPIN (biosynthesis); GONADOTROPINS, CHORIONIC (biosynthesis); AMNION (metabolism); PITUITARY HORMONES, ANTERIOR (biosynthesis); PLACENTA (cytology); CELLS (metabolism, analysis); TISSUE CULTURE; RADIOIMMUNOASSAY; PEPTIDES (biosynthesis); TIME FACTORS; CULTURE MEDIA.

### GENCO S

[VESTIBULO-OCULOMOTOR REFLEXES IN RELATION TO THE LEVEL OF VIGILANCE. II. THE VESTIBULO-OCULOMOTOR REFLEXES DURING INSULIN COMA] PUCA FM, GENCO S, MASI G, SPECCHIO LM, DILAULO L, FEDERICO F *BOLL SOC ITAL BIOL SPER* 49: 994-1000, 15 SEP 73 ITA

### GENES SG

[OBESITY AND DIABETES] GENES SG *TER ARKH* 46: 56-65, 1974 RUS

ADULT; AGED; DIABETES MELLITUS (physiopathology, metabolism, complications); GLUCOSE TOLERANCE TEST; GLUCOSE (metabolism); HUMAN; HYPERGLYCEMIA (etiology); INSULIN (metabolism, secretion, blood); ISLANDS OF LANGERHANS

(physiopathology, secretion); KETOSIS (etiology); MIDDLE AGE; OBESITY IN DIABETES (occurrence); UNITED STATES.

### GENKOVA P

[TESTICULAR FEMINIZATION AND GONADAL DYSGENESIS ASSOCIATED WITH DIABETES MELLITUS] GENKOVA P, STANKUSHEVA T *VUTR BOLES* 11: 120-5, 1972 BUL

ADOLESCENCE; DIABETES MELLITUS, JUVENILE (complications, familial & genetic); ENGLISH ABSTRACT; FEMALE; HUMAN; KARYOTYPING; TESTICULAR FEMINIZATION (complications, familial & genetic); TURNERS SYNDROME (complications, familial & genetic).

### GERARD A

[THE GLUCOSE CONTENT OF HUMAN GALL BLADDER BILE AND BILE FROM THE BILE DUCTS] PARIS J, GERARD A, SALEMBIER Y, SAMSO G *TIDSCHR GASTROENTEROL* 17: 40-50, 1974 FRE

### GERICH JE

INHIBITION OF PANCREATIC GLUCAGON RESPONSES TO ARGININE BY SOMATOSTATIN IN NORMAL MAN AND IN INSULIN-DEPENDENT DIABETICS. GERICH JE, LORENZI M, SCHNEIDER V, KWAN CW, KARAM JH, GUILLEMIN R, FORSHAM PH *DIABETES* 23: 876-80, NOV 74 ENG

ADOLESCENCE; ADULT; ARGININE (pharmacodynamics); BLOOD SUGAR (analysis); DEPRESSION, CHEMICAL; DIABETES MELLITUS (metabolism, drug therapy, blood); GLUCAGON (secretion, blood); HUMAN; INSULIN (therapeutic use, blood); MIDDLE AGE; PANCREAS (drug effects, metabolism); PEPTIDES (pharmacodynamics, adverse effects); SOMATOTROPIN (secretion).

EFFECT OF SOMATOSTATIN ON PLASMA GLUCOSE AND INSULIN RESPONSES TO GLUCAGON AND TOLBUTAMIDE IN MAN. GERICH JE, LORENZI M, SCHNEIDER V, FORSHAM PH *J CLIN ENDOCRINOL METAB* 39: 1057-60, DEC 74 ENG

ADULT; BLOOD SUGAR (metabolism); FEMALE; GLUCAGON (pharmacodynamics); GLYCOGEN (metabolism); HUMAN; INSULIN (blood); MALE; PEPTIDES (pharmacodynamics); SOMATOTROPIN (antagonists & inhibitors); TOLBUTAMIDE (pharmacodynamics).

CHARACTERIZATION OF THE EFFECTS OF ARGININE AND GLUCOSE ON GLUCAGON AND INSULIN RELEASE FROM THE PERFUSED RAT PANCREAS. GERICH JE, CHARLES MA, GRODSKY GM *J CLIN INVEST* 54: 833-41, OCT 74 ENG

ARGININE (pharmacodynamics, administration & dosage); DOSE-RESPONSE RELATIONSHIP, DRUG; DRUG INTERACTIONS; GLUCAGON (secretion); GLUCOSE (pharmacodynamics, administration & dosage, antagonists & inhibitors); INSULIN (secretion); PANCREAS (secretion, drug effects, cytology); SECRETORY RATE (drug effects); STIMULATION, CHEMICAL.

### GERNERT E JR

MUTAROTASE (ALDOSE-1-EPIMERASE) CATALYZED ANOMERIZATION OF GLUCOSE-6-PHOSPHATE. GERNERT E JR, KESTON AS *ARCH BIOCHEM BIOPHYS* 161: 420-5, 2 APR 74 ENG

ANIMAL EXPERIMENTS; CARBOHYDRATE ISOMERASES (metabolism, antagonists & inhibitors); GLUCOSEPHOSPHATES; GLUCOSE; HYDROGEN-ION CONCENTRATION; KINETICS; OPTICAL ROTATION; KIDNEY CORTX (enzymology); SWINE; ELECTROPHORESIS, POLYACRYLAMIDE GEL; ISOELECTRIC FOCUSING; PHLORHIZIN (pharmacodynamics); BUFFERS; MATHEMATICS; TIME FACTORS.

**GEROLAMI A**

INSULIN RESPONSE TO GLUCOSE AND TOLBUTAMIDE IN ESSENTIAL VERSUS PANCREATIC MILD GLUCOSE INTOLERANCE. VAGUE P, RAMAHANDRIDONA G, GEROLAMI A *DIABETES* 23: 896-901, NOV 74 ENG

**GHOSH NC**

BLOOD SUGAR LEVELS IN RATS EXPOSED TO VARYING ALTITUDE STRESS FOR DIFFERENT PERIODS OF TIME. DAS HK, GHOSH NC *AEROSP MED* 45: 716-20, JUL 74 ENG

**GIBBONS AP**

IN VIVO DISPOSAL KINETICS OF BLOOD GLUCOSE CARBON TO HEPATIC AND NON-HEPATIC PRODUCTS IN NORMAL AND DIABETIC RATS. SHIPLEY RA, GIBBONS AP, CHUDZIK EB *CAN J PHYSIOL PHARMACOL* 52: 797-807, AUG 74 ENG

**GIBELLI A**

[CLEARING AND ANTI-PLATELET-AGGREGATION EFFECTS OF A HEPARINOID OF NATURAL ORIGIN] MARINI U, BASTONI F, GIBELLI A *CLIN TER* 71: 13-31, 15 OCT 74 ITA

**GIDDINGS AE**

DIAGNOSIS AND MANAGEMENT OF INSULINOMA. GIDDINGS AE *PROC R SOC MED* 67: 833-6, SEP 74 ENG

ADENOMA (pathology); DIAGNOSIS, DIFFERENTIAL; DIAZOXIDE (therapeutic use); HUMAN; INSULIN (blood); ISLET CELL TUMOR (diagnosis, pathology, therapy); PANCREATIC NEOPLASMS (diagnosis, pathology, therapy); POSTOPERATIVE COMPLICATIONS; PROINSULIN (blood); STREPTOZOTOCIN (therapeutic use).

**GIESBRECHT E**

ESTROGEN EXCRETION IN HIGH-RISK PREGNANCY. A COMPARISON OF TWO ASSAY PROCEDURES. SIMS FH, GIESBRECHT E, TAYLOR J *AM J CLIN PATHOL* 62: 759-65, DEC 74 ENG

**GILLESPIE IE**

REPRODUCIBILITY OF PLASMA GASTRIC CONCENTRATION AND GASTRIC PEPSIN OUTPUT AFTER INSULIN-INDUCED HYPOGLYCAEMIA. ELDER JB, WALKER DI, GANGULI PC, GILLESPIE IE *SCAND J GASTROENTEROL* 9: 731-4, NOV 74 ENG

**GIORDANO G**

[EFFECT OF 5-HYDROXYTRYPTOPHAN ON THE SECRETION OF SOMATOTROPIC HORMONE IN MAN] GIORDANO G, FOPPIANI E, MINUTO F, BARRECA T, MARUGO M *ARCH E MARAGLIANO PATOL CLIN* 29: 1-5, JAN 73 ITA

ADULT; ENGLISH ABSTRACT; HUMAN; MALE; FEMALE; SOMATOTROPIN (secretion); 5-HYDROXYTRYPTOPHAN (pharmacodynamics); PITUITARY GLAND (physiology, drug effects).

[SLEEP-WAKEFULNESS RHYTHM OF THE SOMATOTROPIN SECRETION IN THE MAN UNDER THE INFLUENCE OF ALPHAMETHYLDOPA AND DISULFIRAM] GIORDANO G, FOPPIANI E, MINUTO F, MARUGO M, BARRECA T *ARCH E MARAGLIANO PATOL CLIN* 29: 7-14, JAN 73 ITA

ADULT; MIDDLE AGE; ENGLISH ABSTRACT; HUMAN; MALE; FEMALE; CIRCADIAN RHYTHM; SLEEP; WAKEFULNESS; SOMATOTROPIN (secretion); METHYLDOPA (pharmacodynamics); DISULFIRAM (pharmacodynamics); HYPOTHALAMUS (physiology); PITUITARY HORMONE RELEASING HORMONES (physiology).

**GIRELLI BRUNI E**

STUDY ON THE RISK FACTORS OF CORONARY HEART DISEASE IN FAMILY AGGREGATES OF VERONA. PAGNAN A, DONADON W, FERRARI S, GIRELLI BRUNI E, TONOLLI E, DAL PALU C *G ITAL CARDIOL* 4: 249-60, 1974 ENG

**GLASSON M**

TOTAL PARENTERAL NUTRITION IN PAEDIATRIC PATIENTS. LIPSON A, GLASSON M, ABLETT W *MED J AUST* 2: 524-8, 5 OCT 74 ENG

**GLEASON RE**

INSULIN, GROWTH HORMONE, AND GLUCAGON IN PREDIABETES MELLITUS—A REVIEW. JOHANSEN K, SOELDNER JS, GLEASON RE *METABOLISM* 23: 1185-99, DEC 74 ENG [50]

**GLEBOV RN**

[ACTION OF CATECHOLAMINES ON THE ATPASE ACTIVITY OF RAT CARDIAC MITOCHONDRIA] GLEBOV RN, DMITRIEVA NM *BIOKHIMIJA* 38: 696-9, JUL-AUG 73 RUS

RATS; ENGLISH ABSTRACT; ANIMAL EXPERIMENTS; MALE; IN VITRO; CATECHOLAMINES (pharmacodynamics); ADENOSINE TRIPHOSPHATASE (metabolism); MITOCHONDRIA, MUSCLE (drug effects, enzymology); MYOCARDIUM (cytology); EDTA (pharmacodynamics); CALCIUM (pharmacodynamics); CATIONS, DIVALENT; NOREPINEPHRINE (pharmacodynamics); EPINEPHRINE (pharmacodynamics); DOPA (pharmacodynamics); DOPAMINE (pharmacodynamics); DOSE-RESPONSE RELATIONSHIP, DRUG.

**GLICK SM**

SLEEP EEG STAGES AND PLASMA GROWTH HORMONE CONCENTRATION IN STATES OF ENDOGENOUS AND EXOGENOUS HYPERCORTISOLEMIA OR ACTH ELEVATION. KRIEGER DT, GLICK SM *J CLIN ENDOCRINOL METAB* 39: 986-1000, DEC 74 ENG

**GLOMSET J**

STUDIES OF PRIMATE ARTERIAL SMOOTH MUSCLE CELLS IN RELATION TO ATHEROSCLEROSIS. ROSS R, GLOMSET J *ADV EXP MED BIOL* 43: 265-79, 1974 ENG

**GMEINER R**

THE EFFECTS OF GLUCAGON ON THE PULMONARY CIRCULATION IN THE DOG. STUHLINGER W, TURNHEIM K, GMEINER R *EUR J PHARMACOL* 28: 241-3, SEP 74 ENG

[FATAL LACTIC ACIDOSIS IN A PHENFORMIN-TREATED DIABETIC (AUTHORS TRANSL.)] GMEINER R, HAMMERLE P *WIEN KLIN WOCHENSCHR* 86: 400-2, 19 JUL 74 GER

ACIDOSIS, DIABETIC (chemically induced); AGED; DIABETES MELLITUS (drug therapy, complications); ENGLISH ABSTRACT; FEMALE; HUMAN; LACTATES (blood); LIVER DISEASES (complications); PHENFORMIN (adverse effects, therapeutic use); PYELONEPHRITIS (complications).

**GOLD MH**

NEUROSPORA CRASSA GLUCOGEN PHOSPHORYLASE: INTERCONVERSION AND KINETIC PROPERTIES OF THE ACTIVE FORM. GOLD MH, FARRAND RJ, LIVONI JP, SEGEL IH *ARCH BIOCHEM BIOPHYS* 161: 515-27, 2 APR 74 ENG

COMPARATIVE STUDY; GLYCOGEN PHOSPHORYLASE (metabolism, isolation & purification, antagonists & inhibitors); NEUROSPORA (enzymology); KINETICS;

MODELS, CHEMICAL; MAGNESIUM (pharmacodynamics); ADENOSINE TRIPHOSPHATE (pharmacodynamics); PROTEIN BINDING; BINDING SITES; MOLECULAR WEIGHT; BINDING, COMPETITIVE; GEL FILTRATION; URIDINE DIPHOSPHATE SUGARS (pharmacodynamics); CHROMATOGRAPHY, ION EXCHANGE; GLUCOSE; CHROMATOGRAPHY, DEAE-CELLULOSE; GLUCOSEPHOSPHATES (pharmacodynamics); MATHEMATICS; ADENOSINE MONOPHOSPHATE (pharmacodynamics); CARBON RADIOISOTOPES; ENZYME ACTIVATION; NEUROSPORA CRASSA (enzymology).

**GOLDA W**

[EFFECT OF INTRAVENOUS ARGININE LOADING ON THE RELEASE OF GROWTH HORMONE AND LEVEL OF PLASMA IMMUNOREACTIVE INSULIN IN OBESE CHILDREN] RYBAKOWA M, DROPOWA K, SOLTYSIK-WILK E, GOLDA W, PLETI M *PEDIATR POL* 49: 1485-91, DEC 74 POL

**GOLDBERG RS**

EFFECT OF DAMAGE TO THE VENTROMEDIAL HYPOTHALAMIC NUCLEI ON THE STATE OF THE PANCREATIC ISLETS IN RATS ON A RESTRICTED DIET. LAZARIS YAA, GOLDBERG RS, OSINA PI *BULL EXP BIOL MED* 77: 372-4, OCT 74 ENG

**GOLDEN GT**

EMPHYSEMATOUS CHOLECYSTITIS—AN IMPORTANT CLINICAL VARIANT OF ACUTE CHOLECYSTITIS. MENTZER RM JR, GOLDEN GT, CHANDLER JG, HORSLEY JS *3D REV SURG* 31: 454-6, NOV-DEC 74 ENG

**GOLDMAN J**

ZINC BINDING, CIRCULAR DICHROISM, AND EQUILIBRIUM SEDIMENTATION STUDIES ON INSULIN (BOVINE) AND SEVERAL OF ITS DERIVATIVES. GOLDMAN J, CARPENTER FH *BIOCHEMISTRY* 13: 4566-74, 22 OCT 74 ENG

BINDING SITES; CADMIUM; CATTLE; CHROMATOGRAPHY, ION EXCHANGE; CIRCULAR DICHROISM; COMPARATIVE STUDY; COMPUTERS, DIGITAL; COPPER; DIALYSIS; HYDROGEN-ION CONCENTRATION; INSULIN (analogs & derivatives); IRON; KINETICS; LEAD; MAGNESIUM; MANGANESE; MATHEMATICS; MOLECULAR WEIGHT; NICKEL; PROTEIN BINDING; PROTEIN CONFORMATION; RADIOISOTOPES; SPECTROPHOTOMETRY, ATOMIC ABSORPTION; SPECTROPHOTOMETRY, ULTRAVIOLET; ZINC ISOTOPES; ZINC.

**GOLDSTEIN AM**

INFLUENCE OF HYPOPHYSECTOMY AND STARVATION ON BLOOD GLUCOSE LEVELS IN THE NEWT, NOTOPHTHALMUS VIRIDESCENS. CONNELLY TG, GOLDSTEIN AM, YAMADA T *J EXP ZOOL* 188: 367-73, JUN 74 ENG

**GOLDSTEIN F**

PARENTERAL HYPERALIMENTATION—FIVE YEARS CLINICAL EXPERIENCE. MYERS RN, SMINK RD JR, GOLDSTEIN F *AM J GASTROENTEROL* 62: 313-24, OCT 74 ENG

**GOLSTEIN J**

SPECIFIC INHIBITION BY SOMATOSTATIN OF GROWTH HORMONE RELEASE AFTER HYPOGLYCAEMIA IN NORMAL MAN. COPINSCHQ R, VIRASORO E, VANHAELST L, LECLERCQ R, GOLSTEIN J, LHERMITE M *CLIN ENDOCRINOL (OXF)* 3: 411-5, OCT 74 ENG



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PROLACTIN AND THYROTROPIN IN THYROID DISEASES: LACK OF EVIDENCE FOR A PHYSIOLOGICAL ROLE OF THYROTROPIN-RELEASING HORMONE IN THE REGULATION OF PROLACTIN SECRETION. LHERMITE M, ROBYN C, GOLSTEIN J, ROTHENBUCHNER G, BIRK J, LOOS U, BONNYS M, VANHAELST L. *HORM METAB RES* 6: 190-5, MAY 74 ENG

# GOLTNER E

[SIGNIFICANCE OF THE TOLBUTAMIDE TEST IN THE PUERPERIUM] ALLNER R, AWINI A, GOLTNER E. *MED WELT* 25: 1800-2, 1 NOV 74 GER

# GOLUBIATNIKOVA GA

[CLINICAL-MORPHOLOGICAL INDICES OF THE CONDITION OF THE STOMACH IN PATIENTS WITH DIABETES MELLITUS] GOLUBIATNIKOVA GA, PERMIKOV NK, TITOVA GP, SEMICHASTNOVA AG. *TER ARKH* 46: 120-4, 1974 RUS

DIABETES MELLITUS (physiopathology, pathology); ENDOTHELIUM (ultrastructure); GASTRIC ACIDITY DETERMINATION; GASTRIC JUICE (secretion, analysis); GASTRIC MUCOSA (secretion, pathology, ultrastructure); HUMAN; MIDDLE AGE; PEP SIN (analysis); STOMACH (physiopathology); UROPEPSIN (analysis).

# GOODMAN MN

GLUCOSE METABOLISM IN RAT SKELETAL MUSCLE AT REST. EFFECT OF STARVATION, DIABETES, KETONE BODIES AND FREE FATTY ACIDS. GOODMAN MN, BERGER M, RUDERMAN NB. *DIABETES* 23: 881-8, NOV 74 ENG

ACETOACETATES (pharmacodynamics); ANIMAL EXPERIMENTS; BLOOD SUGAR (analysis); CATTLE; DIABETES MELLITUS (metabolism, chemically induced); FATTY ACIDS, NONESTERIFIED (pharmacodynamics); FEMALE; GLUCOSE TOLERANCE TEST; GLUCOSE (metabolism); GLYCOGEN (biosynthesis); GLYCOLYSIS; INSULIN (pharmacodynamics); KETONE BODIES (pharmacodynamics); MUSCLES (metabolism); OCTANOIC ACID (pharmacodynamics); OLEIC ACID (pharmacodynamics); OXIDATION-REDUCTION; PERFUSION; PYRUVATES (metabolism); RATS; REST; STARVATION (metabolism); STREPTOZOTOCIN; SWINE.

# GOODNER CJ

ADAPTATION TO FASTING IN BABOON. I. INFLUENCE OF FEEDING SCHEDULE. KOERKER DJ, GOODNER CJ, TOIVOLA PT, GALE CC, ENSINK JW. *AM J PHYSIOL* 227: 520-30, SEP 74 ENG

# GORANSSON K

[A COMPARATIVE STUDY OF SPIRONOLACTONE AND CHLORTHALIDONE IN TREATMENT OF HYPERTENSION] FAGERBERG SE, GORANSSON K. *LAKARTIDNINGEN* 71: 175-7, 16 JAN 74 SWE

# GORDEN P

DEFECT IN INSULIN BINDING TO RECEPTORS IN OBESE MAN. AMELIORATION WITH CALORIE RESTRICTION. ARCHER JA, GORDEN P, ROTH J. *J CLIN INVEST* 55: 166-74, JAN 75 ENG

# GORDON T

ROLE OF LIPIDS IN THE DEVELOPMENT OF BRAIN INFARCTION: THE FRAMINGHAM STUDY. KANNEL WB, GORDON T, DAWBER TR. *STROKE* 5: 679-85, NOV-DEC 74 ENG

# GORKUN MA

[EFFECT OF POLARIZING MIXTURE ON THE FREQUENCY AND DISORDERS OF CAR-

DIAC RHYTHM IN PATIENTS WITH MYOCARDIAL INFARCT] GORKUN MA. *VRACH DELO* 0: 41-3, NOV 74 RUS

ADULT; AGED; ARRHYTHMIA (drug therapy, etiology); DRUG COMBINATIONS; ENGLISH ABSTRACT; GLUCOSE (therapeutic use); HUMAN; INSULIN (therapeutic use); MIDDLE AGE; MYOCARDIAL INFARCT (complications); POTASSIUM CHLORIDE (therapeutic use).

# GOTO Y

MALTOSE METABOLISM IN DIABETIC STATE. TOYOTA T, GOTO Y, SATO S, SHIMOJO Y, TAKAHASHI K. *TOHOKU J EXP MED* 114: 61-9, SEP 74 ENG

COMPARISON OF SIX ANALYTICAL METHODS FOR BLOOD SUGAR DETERMINATION. GOTO Y, TOYOTA T, ISHITOYA Y. *TOHOKU J EXP MED* 112: 279-84, MAR 74 ENG

HUMAN; COMPARATIVE STUDY; BLOOD SUGAR (analysis); OXIDATION-REDUCTION; AUTOANALYSIS; TOLUIDINES (diagnostic use); METHODS.

# GOTTLIEB MS

THE NATURAL HISTORY OF DIABETES: FACTORS PRESENT AT TIME OF DIAGNOSIS WHICH MAY BE PREDICTIVE OF LENGTH OF SURVIVAL. GOTTLIEB MS. *J CHRONIC DIS* 27: 435-45, NOV 74 ENG

ADULT; AGE FACTORS; AGED; ALBUMINURIA (complications); BLOOD PRESSURE; BLOOD SUGAR (analysis); BODY WEIGHT; CARDIOVASCULAR DISEASES (complications); DIABETES MELLITUS (diagnosis, mortality, familial & genetic, diet therapy, drug therapy, complications); DIABETIC COMA (etiology); FEMALE; HUMAN; INSULIN (adverse effects); MALE; MIDDLE AGE; OBESITY IN DIABETES (complications); PROGNOSIS; SEX FACTORS; TIME FACTORS.

# GOURDON J

[MEASUREMENT OF PLASMA CORTISOL THROUGH RADIOCOMPETITION IN THE INSULIN STIMULATION TEST IN CHILDREN] BRESSOT N, GOURDON J, ROCHEFORT H, DUMAS R, CRASTES DE PAULET A. *BIOMEDICINE (EXPRESS)* 21: 135-9, 20 MAR 74 FRE

# GRACE ND

IRON STORAGE DISORDERS OF THE LIVER. GRACE ND, POWELL LW. *GASTROENTEROLOGY* 67: 1257-83, DEC 74 ENG [300]

ADRENAL GLANDS (analysis); ALCOHOLISM (complications); BIOLOGICAL TRANSPORT; BIOPSY; DIABETES MELLITUS (complications); HEMOCHROMATOSIS (metabolism, familial & genetic, complications, pathology); HEMOSIDERIN (metabolism); HUMAN; INTESTINAL ABSORPTION; IRON (metabolism, analysis, adverse effects); LIVER CIRRHOSIS (metabolism, complications, etiology); LIVER DISEASES (metabolism); LIVER (analysis, pathology); MYOCARDIUM (analysis); PANCREAS (analysis); PIGMENTATION DISORDERS (etiology); PITUITARY GLAND (analysis); REVIEW.

# GRAPPIN G

[RESEARCH ON THE MEDICAL CONSEQUENCES OF TOBACCO USE IN BLACK AFRICA] BAYLET R, DIEBOLT G, GRAPPIN G, DIOP S, MEDEIROS D. *DE BULL SOC MED AFR NOIRE LANG FR* 19: 41-5, 1974 FRE

# GRASSI G

[SUPERSELECTIVE VAGOTOMY AND PEROPERATIVE ACID-SECRETION TEST] GRASSI G, ORECCHIA C, SBUELZ B, GRASSI GB. *J CHIR (PARIS)* 107: 275-81, MAR 74 FRE

CONSTIPATION (etiology); DRAINAGE; DUODENAL ULCER (surgery); ENGLISH ABSTRACT; GASTRIC ACIDITY DETERMINATION (methods); HUMAN; INSULIN (diagnostic use); PENTAGASTRIN (diagnostic use); POSTOPERATIVE COMPLICATIONS; PREOPERATIVE CARE; RECURRENCE; VAGOTOMY (methods).

# GRASSI GB

[SUPERSELECTIVE VAGOTOMY AND PEROPERATIVE ACID-SECRETION TEST] GRASSI G, ORECCHIA C, SBUELZ B, GRASSI GB. *J CHIR (PARIS)* 107: 275-81, MAR 74 FRE

# GRAVLEE LC JR

AN OFFICE PROCEDURE FOR EARLY DETECTION OF ENDOMETRIAL CARCINOMA. GRAVLEE LC JR. *AM FAM PHYSICIAN* 10: 88-91, DEC 74 ENG

ADENOCARCINOMA (diagnosis, complications); ADULT; AGE FACTORS; CYTODIAGNOSIS; DIABETES MELLITUS (complications); FEMALE; HEMORRHAGE (complications); HUMAN; HYPERTENSION (complications); IRRIGATION (methods, instrumentation, standards); MENOPAUSE; MENSTRUATION DISORDERS (complications); MIDDLE AGE; OBESITY (complications); PRESSURE; UTERINE DISEASES (complications); UTERINE NEOPLASMS (diagnosis, complications); VAGINAL SMEARS (standards).

# GREEN RA

BLOOD CHEMISTRY OF THE RAT KANGAROO, POTOROUS TRIDACTYLUS. WARD BC, GREEN RA, RUPP J. *LAB ANIM SCI* 24: 548-51, JUN 74 ENG

# GREENGARD P

GUANOSINE 3':5'-CYCLIC MONOPHOSPHATE-DEPENDENT PHOSPHORYLATION OF ENDOGENOUS SUBSTRATE PROTEINS IN MEMBRANES OF MAMMALIAN SMOOTH MUSCLE. CASNELLIE JE, GREENGARD P. *PROC NATL ACAD SCI USA* 71: 1891-5, MAY 74 ENG

# GREER MA

SERIAL PLASMA GROWTH HORMONE CONCENTRATION DURING SELECTIVE REMOVAL OF PITUITARY TUMORS IN ACROMEGALY. ALLEN JP, COOK DM, GREER MA, PAXTON H, CASTRO A. *J NEUROSURG* 41: 38-43, JUL 74 ENG

# GRIES FA

[PERIPHERAL ARTERIAL DISEASE, ANGIOGRAPHICALLY DEMONSTRABLE CORONARY ARTERIOSCLEROSIS AND RISK FACTOR CONSTELLATION IN PATIENTS WITH ANGINA (AUTHORS TRANSL)] KUBLER W, SCHUTZ E, GRIES FA, KLINGER H, KOSCHINSKY T, LOOGEN L, VOGELBERG KH. *DTSCH MED WOCHENSCHR* 99: 2201-6, 1 NOV 74 GER

DIETARY-INDUCED HYPERTROPHIC-HYPERPLASTIC OBESITY IN MICE. HERBERG L, DOPPEN W, MAJOR E, GRIES FA. *J LIPID RES* 15: 580-5, NOV 74 ENG

# GRIFFEY MA

INSULIN SECRETION INDUCED BY NA& DEPRIVATION. GRIFFEY MA, CONAWAY HH, WHITNEY JE. *ENDOCRINOLOGY* 95: 1469-72, NOV 74 ENG

ANIMAL EXPERIMENTS; CALCIUM (metabolism); DEPRESSION, CHEMICAL; DOGS; FEMALE; INSULIN (secretion); MALE; PANCREAS (secretion); SODIUM (pharmacodynamics).



## GRISOLIA S

A SENSITIVE AND SPECIFIC METHOD FOR QUANTITATIVE ESTIMATION OF CARBAMYLATION IN PROTEINS. SALINAS M, FANDO JL, GRISOLIA S *ANAL BIOCHEM* 62: 166-72, NOV 74 ENG

LOCATION OF A VERY ACTIVE BICARBONATE-DEPENDENT ATPASE IN THE OUTER MEMBRANE OF RAT AND FROG LIVER MITOCHONDRIA. GRISOLIA S, MENDELSON J *BIOCHEM BIOPHYS RES COMMUN* 58: 968-73, 18 JUN 74 ENG

FROGS; RATS; ANIMAL EXPERIMENTS; COMPARATIVE STUDY; MITOCHONDRIA, LIVER (enzymology, drug effects); ADENOSINE TRIPHOSPHATASE (metabolism); BICARBONATES (pharmacodynamics); RANA CATESBEIANA; SPECIES SPECIFICITY; MEMBRANES (enzymology, drug effects); POTASSIUM CHLORIDE (pharmacodynamics); SODIUM CHLORIDE (pharmacodynamics); KINETICS; ORGAN SPECIFICITY; TIME FACTORS.

## GROBOTECK M

[TREATMENT OF DIABETIC RETINOPATHY BY STEREOTAXIC INTRAPUTITARY IMPLANTATION OF RADIOACTIVE GOLD] DEBRY G, DROUIN P, MEJEAN L, SAUDAX E, GROBOTECK M, TALAIRACH J, SCHAUB C, SZIKLA G, BLUET-PAJOT MT, NASSIET J *REV PRAT* 24: 3123-4 PASSIM, 24 JUN 74 FRE

## GRODSKY GM

CHARACTERIZATION OF THE EFFECTS OF ARGININE AND GLUCOSE ON GLUCAGON AND INSULIN RELEASE FROM THE PERFUSED RAT PANCREAS. GERICH JE, CHARLES MA, GRODSKY GM *J CLIN INVEST* 54: 833-41, OCT 74 ENG

## GROMNATSKII NI

[ROLE OF THE THROMBOCYTES IN THE PATHOGENESIS OF ATHEROSCLEROSIS] GROMNATSKII NI *KARDIOLOGIJA* 14: 62-6, NOV 74 RUS

ANIMAL EXPERIMENTS; ARTERIOSCLEROSIS (etiologic); ATHEROSCLEROSIS (etiologic, blood); BLOOD COAGULATION (drug effects); BLOOD PLATELETS (drug effects); DIABETES MELLITUS (blood); DOGS; ENGLISH ABSTRACT; EPINEPHRINE (pharmacodynamics); FACTOR VIII (biosynthesis); FIBRINOLYSIS (drug effects); HUMAN; HYPERLIPIDEMIA (blood); LIPOPROTEINS, LDL (blood); NOREPINEPHRINE (pharmacodynamics); THROMBIN (biosynthesis).

## GRONDAL W

[POLYSTYRENE LATEX USED IN THE DETECTION OF INSULIN ANTIBODIES IN BLOOD OF DIABETICS] UDOLF E, KOSMIDERSKI S, GRONDAL W *POL TYG LEK* 29: 2021-2, 25 NOV 74 POL

## GROSSMAN MI

SOME MINOR HERESIES ABOUT VAGOTOMY. GROSSMAN MI *GASTROENTEROLOGY* 67: 1016-9, NOV 74 ENG

COMPARATIVE STUDY; DUODENAL ULCER (surgery, metabolism, diagnosis); GASTRIC JUICE (secretion); HISTAMINE (diagnostic use); HUMAN; INSULIN (diagnostic use, pharmacodynamics); MALE; RECURRENCE; STIMULATION, CHEMICAL; STOMACH (innervation); VAGOTOMY; VAGUS NERVE (physiology).

## GROTH T

FACTORS INFLUENCING THE QUALITY OF ANALYTICAL METHODS. A SYSTEMS ANALYSIS, WITH USE OF COMPUTER SIMULATION. ARONSSON T, VERDIER CH

DE, GROTH T *CLIN CHEM* 20: 738-48, JUL 74 ENG

## GRUNER HJ

[SIGNIFICANCE OF CARBOHYDRATES IN MODERN NUTRITION AND DIETETICS] KNICK B, GRUNER HJ *MED KLIN* 69: 1277-86, 2 AUG 74 GER [32]

## GRUSHOFF PS

EVIDENCE FOR MEMBRANE CHOLESTEROL AS THE COMMON BINDING SITE FOR CEREOLYSIN, STREPTOLYSIN O AND SAPONIN. SHANY S, BERNHEIMER AW, GRUSHOFF PS, KIM KS *MOL CELL BIOCHEM* 3: 179-86, 30 MAY 74 ENG

## GUBLER CJ

THE EFFECTS OF THIAMINE DEPRIVATION, AND OXYTHIAMINE, AND PYRITHIAMINE-TREATMENT ON CARDIAC FUNCTION AND METABOLISM IN THE RAT. SUTHERLAND DJ, JAUSSE AW, GUBLER CJ *J NUTR SCI VITAMINOL (TOKYO)* 20: 35-54, FEB 74 ENG

## GUDER W

THE INFLUENCE OF INSULIN AND GLUCAGON ON HYDROXYMETHYLGLUTARYL COENZYME A REDUCTASE ACTIVITY IN RAT LIVER. HUBER J, GUDER W, LATZIN S, HAMPRECHT B, HOPPE SEYLER Z *PHYSIOL CHEM* 354: 795-8, JUL 73 ENG

## GUEST RJ

EFFECTS OF PROSTAGLANDIN B1 ON BASAL AND STIMULATED CIRCULATING LEVELS OF INSULIN, GLUCOSE AND FREE FATTY ACIDS. ROBERTSON RP, GUEST RJ *PROSTAGLANDINS* 8: 231-40, 10 NOV 74 ENG

## GUILLEMIN R

INHIBITION OF PANCREATIC GLUCAGON RESPONSES TO ARGININE BY SOMATOSTATIN IN NORMAL MAN AND IN INSULIN-DEPENDENT DIABETICS. GERICH JE, LORENZI M, SCHNEIDER V, KWAN CW, KARAM JH, GUILLEMIN R, FORSHAM PH *DIABETES* 23: 876-80, NOV 74 ENG

## GUISARD D

METABOLIC EFFECTS FOLLOWING MEDIUM CHAIN TRIGLYCERIDES LOAD IN DOGS. IV. INFLUENCE OF ADMINISTRATION OF METHYLENE BLUE. BACH A, METAIS P, GUISARD D, DEBRY D *LIPIDS* 9: 781-5, OCT 74 ENG

## GULDBERG HC

ACID MONOAMINE METABOLITES OF CEREBROSPINAL FLUID IN MENINGITIS AND ENCEPHALITIS. BAKKE OM, GULDBERG HC, SCHREINER A *ACTA NEUROL SCAND* 50: 146-52, 1974 ENG

## GULIK-KRZYWICKI T

ORDER-DISORDER CONFORMATIONAL TRANSITIONS OF THE HYDROCARBON CHAINS OF LIPIDS. RANCK JL, MATEU L, SADLER DM, TARDIEU A, GULIK-KRZYWICKI T, LUZZATI V *J MOL BIOL* 85: 249-77, 15 MAY 74 ENG

## GUNTHER GR

MOLECULAR ANALYSIS OF THE INITIAL EVENTS IN MITOGENESIS. CUNNINGHAM BA, WANG JL, GUNTHER GR, REEKE GN JR, BECKER JW *SOC GEN PHYSIOL SER* 29: 177-97, 1974 ENG [37]

## GUPTA S

STUDIES OF ADRENERGIC MECHANISMS IN RELATION TO HISTAMINE SENSITIVITY IN CHILDREN IMMUNIZED WITH BORDETELLA PERTUSSIS VACCINE. SEN DK, ARORA

S, GUPTA S, SANYAL RK *J ALLERGY CLIN IMMUNOL* 54: 25-31, JUL 74 ENG

## GURD JW

DISTRIBUTION OF LIVER PLASMA MEMBRANE 5 NUCLEOTIDASE AS INDICATED BY ITS REACTION WITH ANTI-PLASMA MEMBRANE SERUM. GURD JW, EVANS WH *ARCH BIOCHEM BIOPHYS* 164: 305-11, SEP 74 ENG

ANIMAL EXPERIMENTS; ANTIGEN-ANTIBODY REACTIONS; BINDING SITES; BINDING SITES, ANTIBODY; CELL MEMBRANE (enzymology, metabolism); CENTRIFUGATION, ZONAL; COMPARATIVE STUDY; ELECTROPHORESIS, POLYACRYLAMIDE GEL; GEL FILTRATION; IMMUNE SERUMS; INSULIN; IODINE RADIOISOTOPES; KINETICS; LIVER (enzymology, cytology, metabolism); LYMPHOCYTES (enzymology, cytology); MICE; NUCLEOTIDASES (analysis, immunology, antagonists & inhibitors); PHOSPHODIESTERASES (analysis); PROTEIN BINDING; PYROPHOSPHATASES (analysis); RATS; RECEPTORS, HORMONE; SPECIES SPECIFICITY; SWINE; TIME FACTORS.

## GUYOT MP

[ACTION OF DIPOTASSIUM CLORAZEPATE IN COMBINATION WITH INSULIN IN THE TREATMENT OF DEPRESSIVE STATES] GUYOT MP *ANN MED PSYCHOL (PARIS)* 1: 627-31, MAY 74 FRE

AGED; BENZAZEPINES (therapeutic use); CARBOXYLIC ACIDS; DEPRESSION (drug therapy); DRUG THERAPY, COMBINATION; FEMALE; HUMAN; INJECTIONS, INTRAMUSCULAR; INSULIN (therapeutic use); PSYCHOSES, MANIC-DEPRESSIVE (drug therapy); TRANQUILIZING AGENTS (therapeutic use).

## GVOZDJAK A

EFFECT OF ETHANOL ON THE METABOLISM OF THE MYOCARDIUM AND ITS RELATIONSHIP TO DEVELOPMENT OF ALCOHOLIC MYOCARDIOPATHY. GVOZDJAK A, BADA V, KRUTY F, NIEDERLAND TR, GVOZDJAK J *CARDIOLOGY* 58: 290-7, 1973 ENG

ANIMAL EXPERIMENTS; ALCOHOL, ETHYL (pharmacodynamics, administration & dosage); MYOCARDIUM (metabolism); ALCOHOLIC INTOXICATION; MYOCARDIAL DISEASES, SECONDARY (chemically induced); DISEASE MODELS, ANIMAL (metabolism); BLOOD SUGAR (metabolism); INJECTIONS, INTRAPERITONEAL; LACTATES (blood); FATTY ACIDS, NONESTERIFIED (blood); GLYCOGEN (metabolism); MITOCHONDRIA (metabolism); STATISTICS.

## GVOZDJAK J

EFFECT OF ETHANOL ON THE METABOLISM OF THE MYOCARDIUM AND ITS RELATIONSHIP TO DEVELOPMENT OF ALCOHOLIC MYOCARDIOPATHY. GVOZDJAK A, BADA V, KRUTY F, NIEDERLAND TR, GVOZDJAK J *CARDIOLOGY* 58: 290-7, 1973 ENG

## GYLFE E

AMINO ACID CONTENT AS INDICATOR OF MEMBRANE PERMEABILITY IN PANCREATIC BETA-CELLS. GYLFE E *HORM RES* 5: 339-43, 1974 ENG

AMINO ACIDS (metabolism); ANIMAL EXPERIMENTS; BENZENESULFONATES (pharmacodynamics); BIOLOGICAL TRANSPORT; CELL MEMBRANE (metabolism, drug effects); CHROMATOGRAPHY, THIN LAYER; COMPARATIVE STUDY; DANSYL COMPOUNDS; FEMALE; GLUTAMATES (metabolism); HYPERGLYCEMIA (metabolism);

## GZHITSKII SZ

IN VITRO; ISLANDS OF LANGERHANS (metabolism, drug effects); MICE; MUTATION; OBESITY (metabolism); ORGAN WEIGHT; PERMEABILITY; TAURINE (metabolism); TIME FACTORS; TRITIUM.

## GZHITSKII SZ

[ROLE OF NADH HPLUS AND ATP ADENINE AMINO GROUPS IN THE REACTION OF REDUCTIVE AMINATION OF ALPHA-KETOGLUTARIC ACID] IAVONENKO AF, SHEVRIAKOV NV, GZHITSKII SZ, IAKOVENKO BV *UKR BIOKHM ZH* 46: 376-83, MAY-JUN 74 *UKR*

## HAHN P

THE EFFECTS OF CATECHOLAMINES, GLUCAGON, AND DIET ON ENZYME ACTIVITIES IN BROWN FAT AND LIVER OF THE RAT. HAHN P, KIRBY LT *CAN J BIOCHEM* 52: 739-43, SEP 74 *ENG*

ACETOACETATES (blood); ANIMAL EXPERIMENTS; ATP CITRATE LYASE (metabolism); BROWN FAT (enzymology, drug effects); COMPARATIVE STUDY; DIETARY CARBOHYDRATES; EPHEDRINE (pharmacodynamics); FATTY ACID SYNTHETASE COMPLEX (metabolism); FATTY ACIDS, NONESTERIFIED (blood); GLUCAGON (pharmacodynamics); GLUCONEOGENESIS (drug effects); HYDROXYBUTYRATES (blood); LIVER (enzymology, drug effects); MALATE DEHYDROGENASE (metabolism); NOREPINEPHRINE (pharmacodynamics); ORGAN SPECIFICITY; ORGAN WEIGHT; PHOSPHOENOLPYRUVATE CARBOXYKINASE (metabolism); RATS; TIME FACTORS; ULTRACENTRIFUGATION.

## HAHNLOSER P

[DIAGNOSIS AND THERAPY OF CHRONIC PANCREATITIS] AMMANN R, AKOVBIANTZ A, DEYHLE P, HAHNLOSER P, LARGIADER F, WELLAUER J *DTSCH MED WOCHENSCHR* 99: 2057-64, 11 OCT 74 *GER* [43]

## HALMOS T

[GASTROCYTOLOGIC EXAMINATIONS IN DIABETICS] MICZBAN I, FORGACS S, HALMOS T *Z GASTROENTEROL* 11: 175-8, APR 73 *GER*

[IMPROVEMENT OF GLUCOSE TOLERANCE IN DIABETICS FOLLOWING GASTRECTOMY] FORGACS S, HALMOS T *Z GASTROENTEROL* 11: 293-6, MAY 73 *GER*

## HALPERIN ML

CONTROL OF FATTY ACID SYNTHESIS IN WHITE ADIPOSE TISSUE BY INSULIN: COORDINATION BETWEEN THE MITOCHONDRIAL CITRATE TRANSPORTER AND PYRUVATE DEHYDROGENASE. SCHILLER CM, TAYLOR WM, HALPERIN ML *CAN J BIOCHEM* 52: 814-21, OCT 74 *ENG*

## HALPERN SE

COMPARATIVE MYOCARDIAL UPTAKE OF INTRAVENOUSLY ADMINISTERED RADIONUCLIDES. SCHELBERT HR, ASHBURN WL, CHAUNCEY DM, HALPERN SE *J NUCL MED* 15: 1092-100, DEC 74 *ENG*

## HAMMERLE P

[FATAL LACTIC ACIDOSIS IN A PHENFORMIN-TREATED DIABETIC (AUTHORS TRANSL)] GMEINER R, HAMMERLE P *WIEN KLIN WOCHENSCHR* 86: 400-2, 19 JUL 74 *GER*

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## HAMURO Y

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## HANKE W

[HORMONAL REGULATION OF METABOLISM IN AMPHIBIA (AUTHORS TRANSL)] HANKE W *FORTSCHR ZOOL* 22: 431-55, 1974 *GER*

ADRENAL CORTEX HORMONES (pharmacodynamics); AMPHIBIA (metabolism); ANIMAL EXPERIMENTS; BLOOD SUGAR (metabolism); ENGLISH ABSTRACT; EPINEPHRINE (metabolism); INSULIN (metabolism); LIVER (drug effects); MUSCLES (drug effects).

## HANO J

EFFECT OF SEROTONIN AND ATROPINE ON RESERPINE-INDUCED GASTRIC SECRETION IN RATS. BUGAJSKI J, HANO J, WANTUCH C *POL J PHARMACOL PHARM* 25: 525-35, NOV-DEC 73 *ENG*

## HARROON TS

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ADULT; ALOPECIA (etiology); BLISTER (etiology); CHILD; DIABETES MELLITUS (complications); DIABETIC ANGIOPATHIES; DIABETIC NEUROPATHIES; ERYTHEMA (etiology); ERYTHRASMA (etiology); FEMALE; GRANULOMA (etiology); HUMAN; INSULIN (adverse effects); LIPODYSTROPHY (etiology); MALE; MIDDLE AGE; MONILIASIS (etiology); NECROBIOSIS LIPOIDICA (etiology); PRURITUS (etiology); REVIEW; SKIN DISEASES (etiology); STAPHYLOCOCCAL INFECTIONS (etiology); STOMATITIS (etiology); VITAMIN A DEFICIENCY (etiology); XANTHOMATOSIS (etiology).

## HARRIS B

ORAL MANIFESTATIONS NOT WELL RECOGNIZED AS EARLY SIGNS OF DIABETES MELLITUS. MCKINNEY RV, HARRIS B, SINGH BB *J GA DENT ASSOC* 47: 19-21, SPRING 74 *ENG*

## HARRIS ED JR

LETTER: HL-A GENOTYPES AND DIABETES. STROBERG JM, HARRIS ED JR *LANCET* 7890: 1212, 16 NOV 74 *ENG*

## HARRIS EJ

THE ACTIONS OF INSULIN AND GLUCAGON ON GLUCOSE METABOLISM AND ON RELATED ENZYME ACTIVITIES IN THE ISOLATED PERFUSED RAT LIVER. WIMHURST JM, MANCHESTER KL, HARRIS EJ *BIOCHIM BIOPHYS ACTA* 372: 72-84, 4 NOV 74 *ENG*

## HARRIS MG

FAMILIAL CONGENITAL CORALLIFORM CATARACT. POLSE KA, HARRIS MG, ROSEN NJ *AM J OPTOM PHYSIOL OPT* 51: 770-3, OCT 74 *ENG*

## HARVEY AM

MEDICAL STUDENTS ON THE MARCH: BROWN, MACCALLUM AND OPIE. HARVEY AM *JOHNS HOPKINS MED J* 134: 330-45, JUN 74 *ENG*  
ADULT; ANIMAL EXPERIMENTS; BIRDS; DOGS; EDUCATION, MEDICAL; UNDERGRADUATE (history);

GASTROENTEROLOGY (history); HISTORICAL ARTICLE; HISTORICAL BIOGRAPHY; HISTORY OF MEDICINE, 19TH CENT.; HISTORY OF MEDICINE, 20TH CENT.; HOOKWORM INFECTIONS (history); HUMAN; ISLANDS OF LANGERHANS (physiology); MALARIA, AVIAN (history); MALE; MARYLAND; PANCREATIC DISEASES (history); PARASITOLOGY (history); PARATHYROID GLANDS (physiology); PATHOLOGY (history); PUERTO RICO; STUDENTS, MEDICAL; TETANY (prevention & control); TRICHINOSIS (history); UNITED STATES.

## HASLBECK M

[SELF-CONTROL OF METABOLISM IN DIABETIC PATIENTS] HASLBECK M, KRAUS B, STANDL E, MEHNERT H *DTSCH MED WOCHENSCHR* 99: 2186-90, 25 OCT 74 *GER*

ACETONE (urine); ADOLESCENCE; ADULT; ANTIDIABETICS (therapeutic use); CHILD; DIABETES MELLITUS (metabolism, prevention & control, diagnosis, drug therapy); DIABETES MELLITUS, JUVENILE (prevention & control); EVALUATION STUDIES; FALSE NEGATIVE REACTIONS; GLYCOSURIA (diagnosis); HUMAN; HYPOGLYCEMIA (metabolism); INDICATORS AND REAGENTS; INSULIN (therapeutic use); REAGENT STRIPS.

## HASSLACHER C

[DIABETES AND HYPERLIPOPROTEINAEMIAS (AUTHORS TRANSL)] WAHL P, HASSLACHER C, VOLLMAR J *DTSCH MED WOCHENSCHR* 99: 2158-60, 2163-5, 25 OCT 74 *GER*

## HATA S

[THE EFFECT OF DRUGS ON THE ENDOCRINE FUNCTION TESTS (AUTHORS TRANSL)] SUZUKI H, NAKAGAWA K, NAKAYAMA H, KUNITA H, HATA S *JPN J CLIN PATHOL* 22: 326-51, AUG 74 *JPN* [296]

## HAUT J

[TECHNIC AND INDICATIONS FOR ARGON LASER PHOTOCOAGULATION IN THE TREATMENT OF DIABETIC RETINOPATHY] HAUT J, COSCAS G, ROUSSELIE F *BULL SOC OPHTALMOL FR* 74: 51-61, JAN 74 *FRE*  
ADULT; ARGON; DIABETIC RETINOPATHY (surgery, physiopathology); FUNDUS OCULI; HUMAN; LASER COAGULATION (adverse effects); METHODS; MIDDLE AGE.

## HAYDEN-OTTO MP

BODY BUILD AND SLEEP-RELATED GROWTH HORMONE SECRETION. OTHMER E, LEVINE WR, MALARKEY WB, CORVALAN JC, HAYDEN-OTTO MP, FISHMAN PM, DAUGHADAY WH *HORM RES* 5: 156-66, 1974 *ENG*

## HAYS RM

VASOPRESSIN. HAYS RM, LEVINE SD *KIDNEY INT* 6: 307-22, NOV 74 *ENG* [152]  
ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ADRENAL GLANDS (physiology); ANIMAL EXPERIMENTS; ANTINEOPLASTIC AGENTS (pharmacodynamics); BIOLOGICAL TRANSPORT; CALCIUM (pharmacodynamics); CELL MEMBRANE PERMEABILITY; CHLORPROPAMIDE (therapeutic use); CLOFIBRATE (therapeutic use); DIABETES INSIPIDUS (drug therapy); DOGS; HUMAN; MODELS, BIOLOGICAL; MOLECULAR CONFORMATION; OSMOLAR CONCENTRATION; OXYTOCIN (metabolism); PITUITARY HORMONES, POSTERIOR (metabolism); PROSTAGLANDINS (pharmacodynamics); RADIOIMMUNOASSAY; RECEPTORS, HORMONE; REVIEW; SODIUM (metabolism); THIAZINES (therapeutic use);

TOADS; VASOPRESSIN (physiology, immunology, metabolism); WATER.

# HEBBELINCK M

CONTROL OF LIPID METABOLISM IN ADIPOSE-TISSUE HOMOGENATES OF FASTED REFED RATS. WINAND J, FURNELLE J, HEBBELINCK M, CHRISTOPHE J. *EUR J BIOCHEM* 43: 299-305, 1 APR 74 ENG

# HEDING LG

REDUCTION AND REOXIDATION OF BOVINE PROINSULIN. EFFECT OF PH, ZINC IONS, TEMPERATURE AND CONCENTRATION. MARKUSSEN J, HEDING LG. *INT J PEPT PROTEIN RES* 6: 245-52, 1974 ENG

# HEESE HD

NEONATAL COMPLICATIONS AND CONDITIONS ASSOCIATED WITH ASPHYXIA NEONATORUM. MOLTENO CD, MALAN AF, HEESE HD. *S AFR MED J* 48: 2259-62, 09 NOV 74 ENG

# HELLMAN B

THE PANCREATIC BETA-CELL RECOGNITION OF INSULIN SECRETAGOGUES. XIII. EFFECTS OF SULPHYDRYL REAGENTS ON CYCLIC AMP. HELLMAN B, IDAHL LA, LERNMARK A, TALJEDAL IB. *BIOCHIM BIOPHYS ACTA* 372: 127-34, 4 NOV 74 ENG  
ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ANIMAL EXPERIMENTS; BENZENESULFONATES (pharmacodynamics); BENZOATES (pharmacodynamics); COMPARATIVE STUDY; DISULFIDES (pharmacodynamics); GLUCOSE (pharmacodynamics); IN VITRO; INSULIN (secretion); IODINE RADIOISOTOPES; IODOACETATES (pharmacodynamics); ISLANDS OF LANGERHANS (metabolism, secretion, drug effects); MERCURY (pharmacodynamics); MICE; MUTATION; NITRO COMPOUNDS (pharmacodynamics); ORGANOMETALLIC COMPOUNDS (pharmacodynamics); SULFHYDRYL REAGENTS (pharmacodynamics); SULFONIC ACIDS (pharmacodynamics); TIME FACTORS; XANTHINES (pharmacodynamics).

THE PANCREATIC BETA-CELL RECOGNITION OF INSULIN SECRETAGOGUES: DOES CYCLIC AMP MEDIATE THE EFFECT OF GLUCOSE HELLMAN B, IDAHL LA, LERNMARK A, TALJEDAL IB. *PROC NATL ACAD SCI USA* 71: 3405-9, SEP 74 ENG

ACETONE (analogs & derivatives, pharmacodynamics); ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (biosynthesis); ANIMAL EXPERIMENTS; CHOLERA; DRUG SYNERGISM; GLUCOSE (pharmacodynamics); GLYCERALDEHYDE (pharmacodynamics); IN VITRO; INSULIN (secretion); ISLANDS OF LANGERHANS (metabolism, secretion); MICE; MICE, INBRED STRAINS; PERFUSION; TOXINS (pharmacodynamics); XANTHINES (pharmacodynamics).

# HEMPFER P

[SPORT AND MOVEMENT THE MOST IMPORTANT VITAL HELP FOR THE DIABETIC CHILDREN] HEMPFER P. *SCHWEIZ Z SPORTMED* 22: 141-9, 1974 GER  
ADOLESCENCE; AGE FACTORS; CHILD; DIABETES MELLITUS, JUVENILE (therapy); ENGLISH ABSTRACT; EXERCISE THERAPY; EXERTION; HUMAN; MOVEMENT; SPORTS.

# HEMS DA

HEPATIC ACTION OF VASOPRESSIN: LACK OF A ROLE FOR ADENOSINE-3,5-CYCLIC MONOPHOSPHATE. KIRK CJ, HEMS DA. *FEBS LETT* 47: 128-31, 1 OCT 74 ENG

# HENDERSON RJ JR

THE EFFECT OF LONG-TERM IN VITRO INCUBATION ON THE INTERMEDIATES OF RED CELL METABOLISM. HENDERSON RJ JR, MILLS GC. *TRANSFUSION* 14: 232-41, MAY-JUN 74 ENG

HUMAN; BLOOD PRESERVATION; ERYTHROCYTES (metabolism); ADENINE NUCLEOTIDES (metabolism, biosynthesis); ADENINE (metabolism); HYDROGEN-ION CONCENTRATION; CHROMATOGRAPHY, ION EXCHANGE; BUFFERS; PHOSPHATES (blood); BLOOD SUGAR (analysis); HEMOGLOBIN; PYRUVATES; GLYCOLYSIS; HYPERTONIC SOLUTIONS; SODIUM CHLORIDE; DEXTRAN; CYTOSINE NUCLEOTIDES (metabolism).

# HERBERG L

DIETARY-INDUCED HYPERTROPHIC-HYPERPLASTIC OBESITY IN MICE. HERBERG L, DOPPEN W, MAJOR E, GRIES FA. *J LIPID RES* 15: 580-5, NOV 74 ENG

ADIPOSE TISSUE (metabolism, drug effects, cytology, pathology); ANIMAL EXPERIMENTS; BLOOD SUGAR (metabolism); BODY WEIGHT; CARBOHYDRATES (pharmacodynamics); COMPARATIVE STUDY; DIET; DIETARY CARBOHYDRATES; DIETARY FATS; EPIDIDYMI; GLUCOSE TOLERANCE TEST; IMMUNOASSAY; INSULIN (blood); MALE; MICE; OBESITY (metabolism, etiology, pathology); TIME FACTORS.

# HERBINGER W

[COMPARISON OF A TEST-STRIP METHOD (DEXSTROX) WITH AN AUTOANALYZER METHOD FOR BLOOD SUGAR DETERMINATION (O-TOLUIDINE METHOD)] SOMMER R, HERBINGER W. *WIEN MED WOCHENSCHR* 124: 422-4, 22 JUN 74 GER

# HERRERA E

EFFECT OF A HIGH-FAT DIET ON PANCREATIC INSULIN RELEASE, GLUCOSE TOLERANCE AND HEPATIC GLUCONEOGENESIS IN MALE RATS. BLAZQUEZ E, CASTRO M, HERRERA E. *REV ESP FISIOL* 27: 297-304, DEC 71 ENG

# HERRMANN J

FREE TRIIODOTHYRONINE (T<sub>3</sub>) AND THYROXINE (T<sub>4</sub>) SERUM LEVELS IN OLD AGE. HERRMANN J, RUSCHE HJ, KROLL HJ, HILGER P, KRUSKEMPER HL. *HORM METAB RES* 6: 239-40, MAY 74 ENG  
ADULT; MIDDLE AGE; AGED; HUMAN; TRIIODOTHYRONINE (blood, metabolism); THYROXINE (blood, metabolism); AGING.

# HERRMANN R

[LACTATE AND PYRUVATE LEVELS IN EXPERIMENTAL OBESITY OF ANIMALS] HUBNER G, VOSS C, SCHWANDTNER V, HERRMANN R. *NAHRUNG* 18: 313-8, 1974 GER

# HEW CL

THE IDENTIFICATION OF PROINSULIN-SYNTHESIZING POLYSOMES IN FETAL BOVINE PANCREAS. HEW CL, YIP CC. *CAN J BIOCHEM* 52: 959-65, NOV 74 ENG  
ANIMAL EXPERIMENTS; ANTIGEN-ANTIBODY REACTIONS; BODY WEIGHT; CATTLE; CENTRIFUGATION, DENSITY GRADIENT; CHROMATOGRAPHY, ION EXCHANGE; ENDOPLASMIC RETICULUM (metabolism); FEMALE; FETUS (metabolism); GEL FILTRATION; GESTATIONAL AGE; IMMUNOGLOBULINS, FAB; INSULIN (immunology); IODINE RADIOISOTOPES; LEUCINE (metabolism); LIVER (metabolism); ORGAN WEIGHT; PANCREAS (metabolism, enzymology); POLYRIBOSOMES (metabolism); PREGNANCY; PROINSULIN (biosynthesis);

RABBITS (immunology); RADIOIMMUNOASSAY; RATS; RIBONUCLEASE (immunology); SPECTROPHOTOMETRY, ULTRAVIOLET; TRITIUM; TRITONS.

# HEYDEN S

[NUTRITION AND CARDIOVASCULAR DISEASE (AUTHORS TRANSL.)] HEYDEN S. *PRAXIS* 63: 1057-64, 3 SEP 74 GER  
ADULT; ARTERIOSCLEROSIS (complications); CARDIOVASCULAR DISEASES (etiology); COMPARATIVE STUDY; CORONARY DISEASE (etiology); DIABETES MELLITUS (complications); DIET; DIETARY FATS (adverse effects); ENGLISH ABSTRACT; EUROPE; HABITS; HUMAN; HYPERTENSION (complications); JAPAN; MIDDLE AGE; NUTRITION; OBESITY (complications); OILS (analysis); SMOKING (complications); UNITED STATES.

# HICKS T

INFLUENCE OF GLUCAGON ON THE HUMAN JEJUNUM. HICKS T, TURNBERG LA. *GASTROENTEROLOGY* 67: 1114-8, DEC 74 ENG  
ADOLESCENCE; ADULT; BIOLOGICAL TRANSPORT (drug effects); CHLORIDES (metabolism); GLUCAGON (pharmacodynamics, isolation & purification, administration & dosage); HUMAN; INTESTINAL MUCOSA (drug effects); INTESTINAL SECRETIONS; JEJUNUM (drug effects); PANCREAS (analysis); SECRETORY RATE (drug effects); SODIUM (metabolism); SWINE.

# HILDEBRANDT W

[ISOCITRATE LYASE OF CANDIDA GUILLIERMONDII, STRAIN H17. II. REGULATION BY SELECTED INTERMEDIATES OF THE TRICARBOXYLIC ACID CYCLE AND HEXOSE CATABOLISM] HILDEBRANDT W, WEIDE H. *Z ALLG MIKROBIOL* 14: 39-46, 1974 GER

CANDIDA (enzymology, metabolism); KETOACID-LYASES (metabolism, antagonists & inhibitors); ISOCITRATES; SPECTROPHOTOMETRY; OXALOACETATES (pharmacodynamics); PYRUVATES (pharmacodynamics); SUCCINATES (pharmacodynamics); PHOSPHOENOLPYRUVATE (pharmacodynamics); GLUCOSEPHOSPHATES (pharmacodynamics); ADENOSINE TRIPHOSPHATE (pharmacodynamics); MALATES (pharmacodynamics); FUMARATES (pharmacodynamics); CITRATES (pharmacodynamics); NAD (pharmacodynamics); HEXOSES (metabolism); KREBS CYCLE; CELL-FREE SYSTEM.

# HILFR R

INFLUENCE OF INSULIN ON GROWTH AND METABOLISM OF 7,12-DIMETHYLBENZ(A,ALPHA)ANTHRACENE-INDUCED MAMMARY TUMORS. COHEN ND, HILF R. *CANCER RES* 34: 3245-52, DEC 74 ENG

# HILGER P

FREE TRIIODOTHYRONINE (T<sub>3</sub>) AND THYROXINE (T<sub>4</sub>) SERUM LEVELS IN OLD AGE. HERRMANN J, RUSCHE HJ, KROLL HJ, HILGER P, KRUSKEMPER HL. *HORM METAB RES* 6: 239-40, MAY 74 ENG

# HILL RM

WILL THIS DRUG HARM THE UNBORN INFANT? THE DOCTORS DILEMMA. HILL RM. *SOUTH MED J* 67: 1476-80, DEC 74 ENG  
ANALGESICS AND ANTIPYRETICS (pharmacodynamics); ANTI-INFECTION AGENTS (pharmacodynamics); ANTICOAGULANTS (pharmacodynamics); ANTICONVULSANTS (pharmacodynamics); ANTIDIABETICS (pharmacodynamics);



# HILLEMAND B

ANTINEOPLASTIC AGENTS (pharmacodynamics); DIURETICS (pharmacodynamics); DRUG ABUSE; DRUG ADDICTION; FETUS (drug effects, metabolism); HORMONES (pharmacodynamics); HUMAN; HYPNOTICS AND SEDATIVES (pharmacodynamics); MATERNAL-FETAL EXCHANGE; METABOLIC CLEARANCE RATE; NARCOTICS (pharmacodynamics); PREGNANCY; SMOKING; TRANQUILIZING AGENTS (pharmacodynamics).

# HILLEMAND B

[COMPARATIVE STUDY OF GLUCOSE AND INSULIN LEVELS IN PERIPHERAL VENOUS BLOOD AND ASCITIC FLUID IN THE PATIENT WITH ALCOHOLIC CIRRHOSIS DURING INDUCED ORAL HYPERGLYCEMIA] HILLEMAND B, JOLY JP, BRUNELLE P, LEGUEULT L, HUET P *ANN MED INTERNE (PARIS)* 125: 395-402, APR 74 FRE

ADULT; AGED; ALCOHOLISM (complications); ASCITIC FLUID (metabolism, analysis); BLOOD SUGAR (analysis); COMPARATIVE STUDY; FASTING; FEMALE; GLUCOSE (metabolism, diagnostic use, analysis); HUMAN; HYPERGLYCEMIA (metabolism); INSULIN (metabolism, blood); LIVER CIRRHOSIS (metabolism, etiology); MALE; MIDDLE AGE; TIME FACTORS; VEINS.

# HIMATHONGKAM T

HYPERGLYCEMIC AND HYPOGLYCEMIC CRISES. NEWMARK SR, HIMATHONGKAM T, SHANE JM *JAMA* 231: 185-7, 13 JAN 75 ENG

# HIPKIN LJ

GROWTH HORMONE RESPONSES TO HYPOGLYCAEMIA IN WOMEN WITH SECONDARY AMENORRHOEA. HIPKIN LJ, DAVIS JC, SUMMERS VK, BENDER S, EASTMOND C *J REPROD FERTIL* 40: 375-8, OCT 74 ENG

ADOLESCENCE; ADULT; AMENORRHEA (blood, etiology, drug therapy); BLOOD SUGAR (analysis); COMPARATIVE STUDY; CORTICOTROPIN (analysis); ESTROGENS (therapeutic use); FEMALE; GONADOTROPINS, PITUITARY (urine); HUMAN; HYDROCORTISONE (blood); HYPOGLYCEMIA (blood, physiopathology); INSULIN; METYRAPONE (urine); RADIOIMMUNOASSAY; SOMATOTROPIN (secretion, blood); THYROXINE (blood); 17-HYDROXYCORTICOSTEROIDS (urine); 17-KETOSTEROIDS (urine).

# HOFELDT FD

CRYOHYPOPHYSECTOMY FOR ACROMEGALY. FACTORS ASSOCIATED WITH ALTERED ENDOCRINE FUNCTION AND CARBOHYDRATE METABOLISM. LEVIN SR, HOFELDT FD, SCHNEIDER V, BECKER N, KARAM JH, SEYMOUR RJ, ADAMS JE, FORSHAM PH *AM J MED* 57: 526-35, OCT 74 ENG

# HOLLANDER W

COMPONENTS OF THE PROTEIN-LIPID COMPLEX OF ARTERIAL ELASTIN: THEIR ROLE IN THE RETENTION OF LIPID IN ATHEROSCLEROTIC LESIONS. KRAMSCH DM, FRANZBLAU C, HOLLANDER W *ADV EXP MED BIOL* 43: 193-210, 1974 ENG

# HOLLENBERG NK

RENAL ANGIOGRAPHIC AND HEMODYNAMIC RESPONSES TO VASODILATORS. A COMPARISON OF FIVE AGENTS IN THE DOG. OZER H, HOLLENBERG NK *INVEST RADIOL* 9: 473-8, NOV-DEC 74 ENG

# HOLLOWS FC

THE FAILURE OF ALDOSE REDUCTASE INHIBITOR 3,3-TETRAMETHYLENE GLUTARIC ACID TO INHIBIT IN VIVO SORBITOL ACCUMULATION IN LENS AND RETINA IN DIABETES. HUTTON JC, SCHOFIELD PJ, WILLIAMS JF, HOLLOWS FC *BIOCHEM PHARMACOL* 23: 2991-8, 1 NOV 74 ENG

# HOLLYWOOD N

EFFECT OF GLUCOSE CONCENTRATION ON A NUMBER OF ENZYMES INVOLVED IN THE AEROBIC AND ANAEROBIC UTILIZATION OF GLUCOSE IN TURBIDOSTAT-CULTURES OF *ESCHERICHIA COLI*. DOELLE HW, HOLLYWOOD N, WESTWOOD AW *MICROBIOS* 9: 221-32, MAR-APR 74 ENG

# HOLM J

THERMOGRAPHY IN VASCULAR SURGERY. A PRELIMINARY REPORT BASED ON A STUDY IN 12 CASES. HOLM J, JOHNSEN C, SCHERSTEN T *ACTA CHIR SCAND* 140: 445-8, 1974 ENG

AGED; ANGIOGRAPHY; ARTERIOSCLEROSIS (diagnosis, surgery); DIABETIC ANGIOPATHIES (diagnosis, surgery, therapy); ENDARTERECTOMY; FEMALE; HAND (blood supply); HUMAN; LEG (blood supply); MALE; MIDDLE AGE; PHYSICAL THERAPY; PROGNOSIS; RAYNAUDS DISEASE (diagnosis, surgery, therapy); REGIONAL BLOOD FLOW; SKIN TEMPERATURE; SYMPATHECTOMY; THERMOGRAPHY; TIME FACTORS; VASCULAR DISEASES (surgery).

# HOLST JJ

PRODUCTION AND EVALUATION OF GLUCAGON ANTIBODIES FOR RADIOIMMUNOASSAY. HOLST JJ, AASTED B *ACTA ENDOCRINOL (KBH)* 77: 715-26, DEC 74 ENG

ANIMAL EXPERIMENTS; ANTIBODIES (analysis); ANTIBODY FORMATION; ANTIBODY SPECIFICITY; CROSS REACTIONS; FEMALE; GLUCAGON (immunology); IMMUNE SERUMS; IMMUNIZATION; INTESTINAL MUCOSA (immunology); PANCREAS (immunology); RABBITS (immunology); RADIOIMMUNOASSAY; SERUM ALBUMIN, BOVINE; TIME FACTORS.

# HOLT B

DIFFERENTIAL EVALUATION OF THE FETOPLACENTAL UNIT IN PATIENTS WITH DIABETES. SAMAAN NA, GALLAGER HS, MCROBERTS WA JR, HOLT B *AM J OBSTET GYNECOL* 120: 825-32, 15 NOV 74 ENG

# HOLZHEY P

[ARRHYTHMIAS IN ACUTE MYOCARDIAL INFARCT] KUHN P, KOLLER H, KOHN P, HOLZHEY P *WIEN Z INN MED* 54: 438-46, 1973 GER

# HONNEBIER WJ

INFLUENCE OF ALPHA-MELANOCYTE-STIMULATING HORMONE (ALPHA-MSH), GROWTH HORMONE (GH) AND FETAL BRAIN EXTRACTS ON INTRAUTERINE GROWTH OF FETUS AND PLACENTA IN THE RAT. HONNEBIER WJ, SWAAB DF *J OBSTET GYNAECOL BR COMMONW* 81: 439-47, JUN 74 ENG

ANIMAL EXPERIMENTS; FEMALE; MSH (pharmacodynamics); SOMATOTROPIN (pharmacodynamics); TISSUE EXTRACTS (pharmacodynamics); FETUS (growth & development); PLACENTA (growth & development); BODY WEIGHT (drug effects); METHODS; ORGAN WEIGHT; BRAIN.

# HORSLEY JS 3D

EMPHYSEMATOUS CHOLECYSTITIS—AN IMPORTANT CLINICAL VARIANT OF ACUTE

CHOLECYSTITIS. MENTZER RM JR, GOLDEN GT, CHANDLER JG, HORSLEY JS 3D *REV SURG* 31: 454-6, NOV-DEC 74 ENG

# HOVER B

GLUCOSE MODULATION OF AMINO ACID-INDUCED GLUCAGON AND INSULIN RELEASE IN THE ISOLATED PERFUSED RAT PANCREAS. PAGLIARA AS, STILLINGS SN, HOVER B, MARTIN DM, MATSCHINSKY FM *J CLIN INVEST* 54: 819-32, OCT 74 ENG

# HOWARD AN

CLINICAL AND METABOLIC STUDIES OF CHEMICALLY DEFINED DIETS IN THE MANAGEMENT OF OBESITY. BAIRD IM, PARSONS RL, HOWARD AN *METABOLISM* 23: 645-57, JUL 74 ENG

# HOWELL SL

CRYO-ULTRAMICROTOMY OF ISLETS OF LANGERHANS. SOME OBSERVATIONS ON THE FINE STRUCTURE OF MAMMALIAN ISLETS IN FROZEN SECTIONS. HOWELL SL, TYHURST M *J CELL SCI* 15: 591-603, AUG 74 ENG

ANIMAL EXPERIMENTS; CELL MEMBRANE (ultrastructure); CYTOPLASMIC GRANULES (ultrastructure); FROZEN SECTIONS (methods); GLYCERIN; GUINEA PIGS; ISLANDS OF LANGERHANS (ultrastructure); MICROSCOPY, ELECTRON; RATS; SUCROSE.

# HSU JM

BIOCHEMICAL AND ELECTRON MICROSCOPIC STUDIES OF RAT SKIN DURING ZINC DEFICIENCY. HSU JM, KIM KM, ANTHONY WL *ADV EXP MED BIOL* 48: 347-88, 1974 ENG [54]

AMINO ACIDS (metabolism); ANIMAL EXPERIMENTS; CARBON RADIOISOTOPES; COLLAGEN (biosynthesis); CONNECTIVE TISSUE (ultrastructure); DNA (biosynthesis); ELECTROPHORESIS, DISC; FIBROBLASTS (ultrastructure); INSULIN (pharmacodynamics); LIVER (metabolism); MALE; MICROSCOPY, ELECTRON; PROTEINS (metabolism); RATS; REVIEW; RNA (biosynthesis); SKIN (metabolism, ultrastructure); SOMATOTROPIN (pharmacodynamics); SULFUR RADIOISOTOPES; THYMIDINE (metabolism); TIME FACTORS; TRITIUM; URIDINE (metabolism); ZINC (deficiency, metabolism).

# HUBER J

THE INFLUENCE OF INSULIN AND GLUCAGON ON HYDROXYMETHYLGLUTARYL COENZYME A REDUCTASE ACTIVITY IN RAT LIVER. HUBER J, GUDER W, LATZIN S, HAMPRECHT B, HOPPE SEYLER Z *PHYSIOL CHEM* 354: 795-8, JUL 73 ENG

ALCOHOL XIDOREDUCTASES (metabolism); ALLOXAN DIABETES (enzymology, blood); ANIMAL EXPERIMENTS; BLOOD SUGAR (metabolism); BODY WEIGHT; CIRCADIAN RHYTHM; COMPARATIVE STUDY; GLUCAGON (pharmacodynamics); GLUTARATES; INSULIN (pharmacodynamics); LIVER (enzymology, drug effects); MALE; MEVALONIC ACID; RATS; TIME FACTORS.

# HUBER JT

EFFECT OF ADDING SUGARS TO A CARBOHYDRATE-FREE DIET ON INTESTINAL DISACCHARIDASE ACTIVITIES IN THE YOUNG CALF. BRITT DG, HUBER JT *J DAIRY SCI* 57: 420-6, APR 74 ENG

# HUBNER G

[LACTATE AND PYRUVATE LEVELS IN EXPERIMENTAL OBESITY OF ANIMALS] HUBNER G, VOSS C, SCHWANDTNER V, HERRMANN R *NAHRUNG* 18: 313-8, 1974 GER



RATS; ENGLISH ABSTRACT; ANIMAL EXPERIMENTS; MALE; COMPARATIVE STUDY; OBESITY (blood, metabolism, enzymology); LACTATES (blood); PYRUVATES (blood); DIETARY FATS (metabolism, adverse effects); OILS (administration & dosage); HELIANTHUS; SEEDS; SWINE; ANIMAL NUTRITION; FATTY ACIDS, NONESTERIFIED (metabolism); PYRUVATE DEHYDROGENASE COMPLEX (metabolism); BODY WEIGHT.

# HUET P

[COMPARATIVE STUDY OF GLUCOSE AND INSULIN LEVELS IN PERIPHERAL VENOUS BLOOD AND ASCITIC FLUID IN THE PATIENT WITH ALCOHOLIC CIRRHOSIS DURING INDUCED ORAL HYPERGLYCEMIA] HILLEMANT B, JOLY JP, BRUNELLE P, LEGUEULT L, HUET P *ANN MED INTERNE (PARIS)* 125: 395-402, APR 74 FRE

# HULL AR

TRANSCELLULAR CREATININE DISEQUILIBRIUM AND ITS SIGNIFICANCE IN HEMODIALYSIS. KATZ MA, HULL AR *NEPHRON* 12: 171-7, 1974 ENG

# HUNOLD W

[LETTER: PROGREDIENT LIVER CIRRHOSIS IN CHRONIC LYMPHATIC LEUKEMIA] HUNOLD W *DTSC MED WOCHENSCHR* 99: 2131, 18 OCT 74 GER

CASE REPORT; CHLORAMBUCIL (therapeutic use); DIABETES MELLITUS (complications); HEPATITIS, HOMOLOGOUS SERUM (complications); HUMAN; LEUKEMIA, LYMPHOCTIC (complications, pathology, drug therapy); LIVER CIRRHOSIS (etiology, pathology); LYMPHOMA (etiology); LYMPHOSARCOMA (pathology); MALE; MIDDLE AGE; SPLENO-MEGALY (etiology); TRIAMCINOLONE (therapeutic use).

# HUNTER FH

FACILITATED DIFFUSION IN ERYTHROCYTES OF MAMMALS. CAINELLI SR, CHUI A, MCCLURE JD JR, HUNTER FR *COMP BIOCHEM PHYSIOL [A]* 48: 815-25, 1 AUG 74 ENG

# HUNTER JC

STREPTOZOTOCIN TREATMENT FOR MALIGNANT INSULINOMA. O'DONNELL J, ALLEN IV, HUNTER JC, MCILRATH EM, MONTGOMERY DA JR *J MED SCI* 143: 137-44, MAY 74 ENG

# HUREAU J

[HIATAL HERNIA, MEGA-ESOPHAGUS, ESOPHAGEAL FIBROMYOMA, SUBMUCOUS LIPOMA OF THE 3D DUODENUM, AND DIVERTICULUM OF THE DUODENAL WINDOW] VAYRE P, DEBBASCH L, HUREAU J, DELAVIERRE P, MARIE L *SEM HOP PARIS* 50: 1187-8, 14 APR 74 FRE

# HURLIMANN J

IN VITRO SYNTHESIS OF AN ACTH-LIKE HORMONE AND HUMAN CHORIONIC SOMATOMAMOTROPHIN BY PLACENTAL AND AMNIOTIC CELLS. GENAZZANI AR, HURLIMANN J, FIORETTI P, FELBER JP *EXPERIENTIA* 30: 430-2, 15 APR 74 ENG

# HUSTON K

HEREDITARY BOVINE SYNDACTYL. II. HYPERTHERMIA. LEIPOLD HW, DENNIS SM, HUSTON K, DAYTON AD *J DAIRY SCI* 57: 1401-9, NOV 74 ENG

# HUTCHINS M

PITUITARY 45 CA ION UPTAKE AND RELEASE OF ACTH, GH, AND TSH: EFFECT OF VERAPAMIL. ETO S, WOOD JM, HUTCHINS M, FLEISCHER N *AM J PHYSIOL* 226: 1315-20, JUN 74 ENG

# HUTH W

ON THE MECHANISM OF KETOGENESIS AND ITS CONTROL. I. ON A POSSIBLE ROLE OF ACETOACETYL-COA THIOLASE IN THE CONTROL OF KETONE BODY PRODUCTION. HUTH W, DIERICH C, VON OEYENHAUSEN V, SEUBERT W *HOPPE SEYLER'S Z PHYSIOL CHEM* 354: 635-49, JUN 73 ENG

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ORAL HYPOGLYCEMIC AGENTS: 1-(2-CARBOXYPHENYL)PYRROLES. SUGIHARA H, MATSUMOTO N, HAMURO Y, KAWAMATSU Y *ARZNEIM FORSCH* 24: 1560-3, OCT 74 ENG



# KAWAMORI R

## KAWAMORI R

INCREASED GLUCAGON IMMUNOREACTIVITY IN PLASMA OF TOTALLY DEPANCREATIZED DOGS. VRANIC M, PEK S, KAWAMORI R *DIABETES* 23: 905-12, NOV 74 ENG

## KAYE PL

PERNICIOUS FATIGUE—IDENTIFICATION, PATHOGENESIS, AND TREATMENT. KAYE PL *BEHAV NEUROPSYCHIATRY* 5: 24-9, 31, OCT 73-MAR 74 ENG

ADMINISTRATION, ORAL; ADOLESCENCE; AGED; ATROPINE (therapeutic use, administration & dosage); EMOTIONAL STRESS; FATIGUE (etiology, drug therapy, physiopathology, metabolism, complications); FEMALE; GLUCOSE TOLERANCE TEST; GLUCOSE (metabolism); HUMAN; LIPIDS (biosynthesis); MALE; MIDDLE AGE; PARASYMPATHETIC NERVOUS SYSTEM (physiopathology); SYNDROME; VAGUS NERVE (physiopathology).

## KELCH A

GROWTH HORMONE STUDIES IN PATIENTS WITH RHEUMATOID ARTHRITIS WITH OR WITHOUT GLUCOCORTICOID THERAPY. BUTENANDT O, KELCH A, RAJMANN E *Z KINDERHEILK* 118: 53-62, 1974 ENG

## KELLY KA

GASTRIC MOTILITY AFTER GASTRIC OPERATIONS. KELLY KA *SURG ANNU* 6: 103-23, 1974 ENG [54]

ACTION POTENTIALS (drug effects); ANIMAL EXPERIMENTS; DOGS; DUODENUM (surgery, physiology); ELECTROPHYSIOLOGY; FLUOROSCOPY; GASTRIN (pharmacodynamics); GASTROENTEROSTOMY; GASTROINTESTINAL MOTILITY; HORMONES (physiology); HUMAN; INSULIN (pharmacodynamics); JEJUNUM (surgery); LIPIDS (pharmacodynamics); PRESSURE; PYLORIC ANTRUM (physiology); PYLORUS (surgery); RADIOISOTOPES; REVIEW; STOMACH (surgery, physiology, radiography, innervation); SYMPATHECTOMY; TIME FACTORS; VAGOTOMY.

## KENNEDY T

THE VAGUS AND THE CONSEQUENCES OF VAGOTOMY. KENNEDY T *MED CLIN NORTH AM* 58: 1231-46, NOV 74 ENG [90] ANEMIA, MEGALOBLASTIC (complications); BILE DUCTS (physiology); BILE (secretion); CHOLECYSTOKININ (secretion); DEFECATION; GALLBLADDER (physiology); GASTRIC JUICE (secretion); GASTRIN (physiology, secretion); GASTROINTESTINAL MOTILITY; HUMAN; INSULIN (diagnostic use); INTESTINE, SMALL (innervation); LIVER (secretion); PANCREAS (secretion); PANCREOZYMIN (secretion); PENTAGASTRIN (physiology); PEPsin (secretion); REVIEW; SECRETIN (secretion); STOMACH (innervation, secretion); VAGOTOMY (methods); VAGUS NERVE (physiology, anatomy & histology).

## KESTON AS

MUTAROTASE (ALDOSE-1-EPIMERASE) CATALYZED ANOMERIZATION OF GLUCOSE-6-PHOSPHATE. GERNERT E JR, KESTON AS *ARCH BIOCHEM BIOPHYS* 161: 420-5, 2 APR 74 ENG

## KHAN TA

EFFECT OF CHANGE OF POSITION ON THE FUNCTION OF THE CANINE LOWER ESOPHAGEAL SPHINCTER. KHAN TA, CRISPIN JS, LIND JF *GASTROENTEROLOGY* 67: 957-64, NOV 74 ENG ABDOMEN; ANIMAL EXPERIMENTS; CINERADIOGRAPHY; COMPARATIVE

STUDY; DIAPHRAGMATIC HERNIA (physiopathology); DISEASE MODELS, ANIMAL; DOGS; ESOPHAGEAL REFLUX (etiology); ESOPHAGOGASTRIC JUNCTION (physiopathology, innervation, surgery); ESOPHAGUS; HIATAL HERNIA (physiopathology); INSULIN (diagnostic use); MANOMETRY; PRESSURE; PYLORUS (surgery); STOMACH (physiopathology); THORAX (surgery); VAGOTOMY.

## KHEKHT A

[EXPERIENCE WITH IMMUNOSUPPRESSIVE THERAPY IN CHRONIC AGGRESSIVE HEPATITIS] SHIMELPFENIG V, VAGNER K, TOIER D, SHNAIDER G, KHEKHT A, SHIMELPFENIG R *VUTR BOLES* 11: 120-3, 1972 BUL

## KHODOROV BI

[THEORY OF ION TRANSPORT THROUGH THE SODIUM CHANNEL OF BIOLOGICAL MEMBRANES] CHIZMADZHEV IUA, KHODOROV BI, AITIAN SKH *DOKL AKAD NAUK SSSR* 213: 722-5, 21 NOV 73 RUS

## KIDBY DK

SUBCELLULAR LOCALIZATION AND SOME PROPERTIES OF THE ADENYLATE CYCLASE ACTIVITY OF THE YEAST, *SACCHAROMYCES CEREVISIAE*. WHEELER GE, SCHIBECI A, EPAND RM, RATTRAY JB, KIDBY DK *BIOCHIM BIOPHYS ACTA* 372: 15-22, 4 NOV 74 ENG

## KIKUCHI G

MECHANISM OF ALLYLISOPROPYLACETAMIDE-INDUCED INCREASE OF DELTA-AMINOLEVULINATE SYNTHETASE IN LIVER MITOCHONDRIA. EFFECTS OF ADMINISTRATION OF GLUCOSE, CYCLIC AMP, AND SOME HORMONES RELATED TO GLUCOSE METABOLISM. KIM HJ, KIKUCHI G *ARCH BIOCHEM BIOPHYS* 164: 293-304, SEP 74 ENG

## KIM HJ

MECHANISM OF ALLYLISOPROPYLACETAMIDE-INDUCED INCREASE OF DELTA-AMINOLEVULINATE SYNTHETASE IN LIVER MITOCHONDRIA. EFFECTS OF ADMINISTRATION OF GLUCOSE, CYCLIC AMP, AND SOME HORMONES RELATED TO GLUCOSE METABOLISM. KIM HJ, KIKUCHI G *ARCH BIOCHEM BIOPHYS* 164: 293-304, SEP 74 ENG

ACETAMIDES (pharmacodynamics); ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics); ADENOSINE TRIPHOSPHATE (pharmacodynamics); ALLOXAN DIABETES (enzymology, pathology); ALLYLISOPROPYLACETAMIDE (pharmacodynamics); AMINOLEVULINIC ACID SYNTHETASE (biosynthesis); ANIMAL EXPERIMENTS; COMPARATIVE STUDY; CYCLOHEXIMIDE (pharmacodynamics); CYTOSOL (enzymology, drug effects); DIBUTYRYL CYCLIC AMP (pharmacodynamics); ENZYME INDUCTION (drug effects); EPINEPHRINE (pharmacodynamics); ETHYLENEDIAMINES (pharmacodynamics); GLUCAGON (pharmacodynamics); GLUCOSE (pharmacodynamics); GLUTAMATE DEHYDROGENASE (metabolism); HALF-LIFE; INSULIN (pharmacodynamics); ISOPROTERENOL (pharmacodynamics); KINETICS; LIVER (enzymology, cytology, pathology); MALE; MITOCHONDRIA, LIVER (enzymology, drug effects); RATS; SUCCINATE DEHYDROGENASE (metabolism); THEOPHYLLINE (pharmacodynamics); TIME FACTORS; TYROSINE AMINOTRANSFERASE (metabolism).

## KIM KM

BIOCHEMICAL AND ELECTRON MICROSCOPIC STUDIES OF RAT SKIN DURING ZINC DEFICIENCY. HSU JM, KIM KM, ANTHONY WL *ADV EXP MED BIOL* 48: 37-88, 1974 ENG [54]

## KIM KS

EVIDENCE FOR MEMBRANE CHOLESTEROL AS THE COMMON BINDING SITE FOR CEREOLYSIN, STREPTOLYSIN O AND SAPONIN. SHANY S, BERNHEIMER AW, GRUSHOFF PS, KIM KS *MOL CELL BIOCHEM* 3: 179-86, 30 MAY 74 ENG

## KINNE R

MICROSOMAL NA&-STIMULATED NADH-CYTOCHROME C REDUCTASE: COULD IT BE INVOLVED IN SODIUM TRANSPORT. LUISIER AL, ROBINSON JW, KINNE R *EXPERIENTIA* 30: 631-3, 15 JUN 74 ENG

## KIRBY LT

THE EFFECTS OF CATECHOLAMINES, GLUCAGON, AND DIET ON ENZYME ACTIVITIES IN BROWN FAT AND LIVER OF THE RAT. HAHN P, KIRBY LT *CAN J BIOCHEM* 52: 739-43, SEP 74 ENG

## KIRK CJ

HEPATIC ACTION OF VASOPRESSIN: LACK OF A ROLE FOR ADENOSINE-3,5-CYCLIC MONOPHOSPHATE. KIRK CJ, HEMS DA *FEBS LETT* 47: 128-31, 1 OCT 74 ENG ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ANIMAL EXPERIMENTS; COMPARATIVE STUDY; EPINEPHRINE (pharmacodynamics); GLUCAGON (pharmacodynamics); GLUCOSE (metabolism); LIVER (metabolism, drug effects); PERFUSION; RATS; TIME FACTORS; TRITIUM; VASOPRESSIN (pharmacodynamics).

## KIRSCHSTEIN RL

EDITORIAL: CYCLAMATES. KIRSCHSTEIN RL *HUM PATHOL* 5: 498-9, JUL 74 ENG MICE; RATS; ANIMAL EXPERIMENTS; HUMAN; CYCLAMATES (toxicity, history); CYCLOHEXYLAMINE (toxicity); UNITED STATES FOOD AND DRUG ADMINISTRATION; UNITED STATES.

## KLENEROVA V

THE ACTIVITY OF ADENYLATE CYCLASE, PHOSPHODIESTERASE AND PROTEIN KINASE IN THE ADENOHYPOPHYSES OF RATS TREATED BY CHRONIC ADMINISTRATION OF ESTROGENS AND ACUTE APPLICATION OF THYROIDINE IN VIVO. KLENEROVA V, HYNIE S *HORM METAB RES* 6: 208-13, MAY 74 ENG

RATS; ANIMAL EXPERIMENTS; FEMALE; ESTROGENS (pharmacodynamics); THYROIDINE (pharmacodynamics, administration & dosage); ADENYL CYCLASE (metabolism, analysis); PROTEIN KINASE (metabolism, analysis); PITUITARY GLAND (physiopathology, enzymology, analysis); ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ESTRADIOL (administration & dosage); HYPERPITUITARISM (physiopathology, enzymology); INJECTIONS; PHOSPHODIESTERASES (analysis, metabolism); BODY WEIGHT (drug effects); HYPERTROPHY.

## KLEY HK

[A COMBINED STIMULATION TEST FOR THE SIMULTANEOUS ANALYSIS OF SEVERAL PARTIAL FUNCTIONS OF THE ANTERIOR PITUITARY GLAND (AUTHORS TRANSL)] KLEY HK, WIEGELMANN W, SOLBACH HG, KRUSKEMPER HL *DTSCH MED WOCHENSCHR* 99: 2014-8, 25-7, 11 OCT 74 GER



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KOROTIAEV AI

ACROMEGALY (physiopathology); AGE FACTORS; ANOREXIA NERVOSA (physiopathology); CORTICOTROPIN (blood); DIABETES INSIPIDUS (physiopathology); ENGLISH ABSTRACT; GROWTH DISORDERS (physiopathology); HUMAN; HYPOGLYCEMIA (chemically induced); INSULIN (diagnostic use); LH (blood); LH-FSH RELEASING HORMONE (diagnostic use); MALE; PITUITARY GLAND FUNCTION TESTS; PITUITARY GLAND (physiology); PITUITARY GLAND, ANTERIOR (physiology, physiopathology); PITUITARY NEOPLASMS (physiopathology); PUBERTY; SOMATOTROPIN (blood); STIMULATION, CHEMICAL; TIME FACTORS.

A NEW APPROACH FOR INVESTIGATING HYPOTHALAMO-PITUITARY-GONADAL AND ADRENAL FEEDBACK CONTROL MECHANISMS: ACTIVE IMMUNIZATION WITH STEROIDS. NIESCHLAG E, USADEL KH, KLEY HK, SCHWEDS U, SCHOFFLING K, KRUSKEMPER HL. *ACTA ENDOCRINOL (KBH)* 76: 556-69, JUL 74 ENG

### KLEY R

[GAMMA-GLUTAMYL TRANSPEPTIDASE ACTIVITIES IN 24-HOUR URINE IN VARIOUS FORMS OF KIDNEY DISEASE (AUTHORS TRANSL)] BAHRE G, KLEY R, BRASS H. *DTSCH MED WOCHENSCHR* 99: 2214-8, 1 NOV 74 GER

### KLIACHKO VR

[OSTEOARTHROPATHY IN PATIENTS WITH DIABETES MELLITUS] MAZOVETSKII AG, TIRKINA TN, KLIACHKO VR, VERIGO LP. *TER ARKH* 46: 65-9, 1974 RUS

### KLINGER H

[PERIPHERAL ARTERIAL DISEASE, ANGIOGRAPHICALLY DEMONSTRABLE CORONARY ARTERIOSCLEROSIS AND RISK FACTOR CONSTELLATION IN PATIENTS WITH ANGINA (AUTHORS TRANSL)] KUBLER W, SCHUTZ E, GRIES FA, KLINGER H, KOSCHINSKY T, LOOGEN L, VOGELBERG KH. *DTSCH MED WOCHENSCHR* 99: 2201-6, 1 NOV 74 GER

### KNICK B

[SIGNIFICANCE OF CARBOHYDRATES IN MODERN NUTRITION AND DIETETICS] KNICK B, GRUNER HJ. *MED KLIN* 69: 1277-86, 2 AUG 74 GER [32]

DIETARY CARBOHYDRATES (metabolism, adverse effects); DIETARY PROTEINS; DIETETICS; GERMANY, WEST; GLUCAGON (physiology); GLUCOSE (metabolism); HUMAN; INSULIN (physiology); METABOLIC DISEASES (etiology); NUTRITION; OXYGEN CONSUMPTION; REVIEW; TIME FACTORS.

### KNOPP RH

PLASMA GLUCAGON AND INSULIN IN RAT PREGNANCY. ROLES IN GLUCOSE HOMEOSTASIS. SAUDEK CD, FINKOWSKI M, KNOPP RH. *J CLIN INVEST* 55: 180-7, JAN 75 ENG

### KNOTT PJ

EFFECTS ON PLASMA AND BRAIN TRYPTOPHAN IN THE RAT OF DRUGS AND HORMONES THAT INFLUENCE THE CONCENTRATION OF UNESTERIFIED FATTY ACID IN THE PLASMA. CURZON G, KNOTT PJ. *BR J PHARMACOL* 50: 197-204, FEB 74 ENG

### KOCH AL

ACTIVATION OF THE BETA-GALACTOSIDE TRANSPORT SYSTEM IN ESCHERICHIA COLI ML-308 BY N-ALKANOLS. MODIFICATION OF LIPID-PROTEIN INTERACTION BY A CHANGE IN BILAYER FLUIDITY. SULLIVAN KH, JAIN MK, KOCH AL. *BIOCHIM BIOPHYS ACTA* 352: 287-97, 13 JUN 74 ENG

### KOCH G

[SURGICAL ASPECTS OF DIABETES MELLITUS] KOCH G. *MED WELT* 24: 71-2, 12 JAN 73 GER

DIABETES MELLITUS; HUMAN; POSTOPERATIVE CARE; POSTOPERATIVE COMPLICATIONS (prevention & control); PREOPERATIVE CARE; SURGERY, OPERATIVE.

### KOCH MA

ISOLATION OF CYCLIC INOSITOL-1,2-PHOSPHATE FROM MAMMALIAN CELLS AND A PROBABLE FUNCTION OF PHOSPHATIDYLINOSITOL TURNOVER. KOCH MA, DIRINGER H. *BIOCHEM BIOPHYS RES COMMUN* 58: 361-7, 20 MAY 74 ENG

CYCLIC P-OXIDES (metabolism, isolation & purification); PHOSPHOINOSITIDES (metabolism); INOSITOL (metabolism, isolation & purification); LUNG (metabolism); CELL LINE; CELL TRANSFORMATION, NEOPLASTIC; SV40 VIRUS; ISOTOPE LABELING; TRITIUM; PHOSPHORUS RADIOISOTOPES; GLYCERIN (metabolism); PHOSPHATES (metabolism); CHROMATOGRAPHY, PAPER; TIME FACTORS.

### KOCH Y

BINDING OF LUTEINIZING HORMONE AND HUMAN CHORIONIC GONADOTROPHIN TO OVARIAN CELLS AND ACTIVATION OF ADENYLATE CYCLASE. KOCH Y, ZOR U, CHOBIENG P, LAMPRECHT SA, POMERANTZ S, LINDNER HR. *N ENGL J MED* 291: 179-91, 11 JUN 74 ENG

ANIMAL EXPERIMENTS; HUMAN; FEMALE; IN VITRO; LH (metabolism); GONADOTROPINS, CHORIONIC (metabolism); OVARY (metabolism, enzymology); ADENYL CYCLASE (metabolism); BINDING SITES; IODINE RADIOISOTOPES; CORPUS LUTEUM (metabolism); GRAAFIAN FOLLICLE (metabolism); ADRENAL GLANDS (metabolism); TEMPERATURE; CELL MEMBRANE (metabolism); SHEEP; IMMUNE SERUMS (pharmacodynamics); RECEPTORS, HORMONE; ENZYME ACTIVATION.

### KOERKER DJ

ADAPTATION TO FASTING IN BABOON. I. INFLUENCE OF FEEDING SCHEDULE. KOERKER DJ, GOODNER CJ, TOIVOLA PT, GALE CC, ENSINCK JW. *AM J PHYSIOL* 227: 520-30, SEP 74 ENG

ADAPTATION, PHYSIOLOGICAL; ANIMAL EXPERIMENTS; BLOOD PROTEINS (analysis); BLOOD SUGAR; CENTRAL NERVOUS SYSTEM (physiology); CONDITIONING (PSYCHOLOGY); EPINEPHRINE (urine); FASTING; FATTY ACIDS, NONESTERIFIED (blood); FEEDING PATTERNS; GLUCAGON (blood); GLYCERIN (blood); HYDROCORTISONE (blood); HYDROXYBUTYRATES (blood); INSULIN (blood); ISLANDS OF LANGERHANS (secretion); MALE; NOREPINEPHRINE (urine); PANCREAS (secretion); PAPIO; SOMATOTROPIN (blood); SYMPATHETIC NERVOUS SYSTEM (physiology).

### KOHN P

[ARRHYTHMIAS IN ACUTE MYOCARDIAL INFARCT] KUHN P, KOLLER H, KOHN P, HOLZHEY P. *WIEN Z INN MED* 54: 438-46, 1973 GER

### KOHNER EM

DO MEDICAL CONDITIONS HAVE AN INFLUENCE ON CENTRAL RETINAL VEIN OCCLUSIONS. KOHNER EM, CAPPIN JM. *PROC R SOC MED* 67: 1052-4, OCT 74 ENG

AGE FACTORS; ARTERIAL OCCLUSIVE DISEASES (etiology, complications); BLOOD VISCOSITY; DIABETIC ANGIOPATHIES (complications); HEMOGLOBIN (analysis); HUMAN; HYPERTENSION (complications); INTESTINAL NEOPLASMS (complications); RETINAL VEIN; SEX FACTORS; UREA (blood); URIC ACID (blood).

### KOLAKOWSKA T

THE EFFECTS OF PHENOTHIAZINES ON ENDOCRINE FUNCTION: II. EFFECTS IN MEN AND POST-MENOPAUSAL WOMEN. BEUMONT PJ, CORKER CS, FRIESEN HG, KOLAKOWSKA T, MANDELBROTE M, MARSHALL J, MURRAY MA, WILES DH. *BR J PSYCHIATRY* 124: 420-30, MAY 74 ENG

### KOLIPILEV V

[RADIOISOTOPE DETERMINATION OF RENAL BLOOD CIRCULATION IN DIABETES MELLITUS] KOLIPILEV V, PETROV S. *VUTR BOLES* 11: 41-6, 1972 BUL

ADULT; AGED; DIABETES MELLITUS (physiopathology); DIABETIC NEPHROPATHIES (diagnosis); ENGLISH ABSTRACT; HUMAN; KIDNEY (blood supply); MIDDLE AGE; REGIONAL BLOOD FLOW.

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[ARRHYTHMIAS IN ACUTE MYOCARDIAL INFARCT] KUHN P, KOLLER H, KOHN P, HOLZHEY P. *WIEN Z INN MED* 54: 438-46, 1973 GER

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[BLOOD SUGAR LEVEL IN SHEEP AND GOATS IN ONTOGENESIS] KONSTANTINOV P, RADOSLOVOV V. *VET MED NAUKI* 10: 89-95, 1973 BUL

ENGLISH ABSTRACT; ANIMAL EXPERIMENTS; FEMALE; SHEEP; GOATS; BLOOD SUGAR (analysis); PREGNANCY, ANIMAL; GROWTH; FETUS (blood supply); ESTRUS; GESTATIONAL AGE.

### KOPP H

[WHAT MUST BE CONSIDERED IN REFRACTORY DIABETES] KOPP H. *MED KLIN* 69: 1304-6, 2 AUG 74 GER

AGED; ATTITUDE TO HEALTH; DIABETES MELLITUS (therapy); DIABETIC DIET; FEMALE; HEALTH EDUCATION; HUMAN; INSULIN (administration & dosage); MIDDLE AGE; PHYSICIAN-PATIENT RELATIONS.

### KOPSTEIN J

USE OF METOLAZONE, A NEW DIURETIC, IN PATIENTS WITH RENAL DISEASE. CRASWELL PW, EZZAT E, KOPSTEIN J, VARGHESE Z, MOORHEAD JF. *NEPHRON* 12: 63-73, 1974 ENG

### KORCAKOVA L

ADOPTIVE TRANSFER OF IMMUNODIABETES IN GUINEA PIG. KORCAKOVA L, TITLBACH M, NOUZA K. *ACTA DIABETOL LAT* 11: 112-35, MAR-APR 74 ENG

ANIMAL EXPERIMENTS; BLOOD SUGAR (analysis); CYCLOPHOSPHAMIDE (pharmacodynamics); DIABETES MELLITUS (immunology, pathology); GUINEA PIGS; IMMUNITY, CELLULAR; INSULIN ANTIBODIES; ISLANDS OF LANGERHANS (pathology); LYMPH NODES (pathology); PANCREAS (pathology); PASSIVE TRANSFER; SPLEEN (pathology).

### KOROTIAEV AI

[USE OF 4-AMINOAZOBENZENE FOR STUDYING THE ACTIVITY OF THE ACETYLATED AND SUCCINYLATED SYSTEMS] KOROTIAEV AI, IAKOVLEV EV. *BIOL NAUKI* 110: 132-5, 1973 RUS

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### KORZAN VA

ACETYLATION; AZO COMPOUNDS; BENZENE; COENZYME A (analysis); NAD; PYRUVATES; RICE (physiology); SUCCINATES; ESCHERICHIA COLI (physiology).

### KORZAN VA

[CERTAIN BIOCHEMICAL INDICATORS OF BLOOD SERUM DURING EXCLUSION OF THE HEART FROM CIRCULATION IN DEEP HYPOTHERMIA (EXPERIMENTAL-CLINICAL STUDIES)] KORZAN VA, LATSIS AT, VOLKOLAKOV IV, BREITSIS KAR. *DIOLOGIA* 15: 110-6, 1974 *RUS*  
ENGLISH ABSTRACT; HUMAN; ANIMAL EXPERIMENTS; MALE; FEMALE; COMPARATIVE STUDY; HEART DEFECTS, CONGENITAL (surgery); HYPOTHERMIA, INDUCED; EXTRACORPOREAL CIRCULATION; FATTY ACIDS, NONESTERIFIED (blood); LACTATES (blood); BLOOD SUGAR (analysis); HOMEOSTASIS.

### KOSCHINSKY T

[PERIPHERAL ARTERIAL DISEASE, ANGIOGRAPHICALLY DEMONSTRABLE CORONARY ARTERIOSCLEROSIS AND RISK FACTOR CONSTELLATION IN PATIENTS WITH ANGINA (AUTHORS TRANSL)] KUBLER W, SCHUTZ E, GRIES FA, KLINGER H, KOSCHINSKY T, LOOGEN L, VOGELBERG KH *DTSCH MED WOCHENSCHR* 99: 2201-6, 1 NOV 74 *GER*

### KOSMIDERSKI S

[POLYSTYRENE LATEX USED IN THE DETECTION OF INSULIN ANTIBODIES IN BLOOD OF DIABETICS] UDOLF E, KOSMIDERSKI S, GRONDA W *POL TYG LEK* 29: 2021-2, 25 NOV 74 *POL*

### KOSTOS V

3-MERCAPTOPYRIDINE, AN INHIBITOR OF GLUCONEOGENESIS, DITULLIO NW, BERKOFF CE, BLANK B, KOSTOS V, STACK EJ, SAUNDERS HL *BIOCHEM J* 138: 387-94, MAR 74 *ENG*

### KOTESHOVA ZD

[CHANGES OF THE CARDIOVASCULAR SYSTEM IN DIABETES MELLITUS] EGOROVA EM, KOTESHOVA ZD *VRACH DELO* 0: 30-3, SEP 74 *RUS*

### KOVNAT PJ

GLYCOSURIA AND TUBULAR GLYCOGEN DEPOSITION. KOVNAT PJ, LIN KY *NEPHRON* 13: 464-71, 1974 *ENG*  
ADULT; CASE REPORT; COMPLEMENT; CREATININE (diagnostic use); FLUORESCENT ANTIBODY TECHNIC; GLUCOSE TOLERANCE TEST; GLYCOGEN (metabolism, analysis); GLYCOSURIA (complications); HUMAN; IGG; KIDNEY GLOMERULUS (pathology, immunology); KIDNEY TUBULES (physiopathology, metabolism); MALE; MICROSCOPY, ELECTRON; NEPHROTIC SYNDROME (complications, immunology, pathology); PROTEINURIA (complications).

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PURIFICATION AND PROPERTIES OF TRYPSIN-LIKE ENZYMES FROM THE STARFISH *LYSTROSTOMUS ANTHOSTICTA*. KOZLOVSKAYA EP, ELYAKOVA LA *BIOCHIM BIOPHYS ACTA* 371: 63-70, 5 NOV 74 *ENG*  
AMINO ACIDS (analysis); ANIMAL EXPERIMENTS; CHROMATOGRAPHY, DEACELLULOSE; ELECTROPHORESIS, DISC; GEL FILTRATION; HYDROGEN-ION CONCENTRATION; HYDROLYSIS; INSULIN; ISOELECTRIC FOCUSING; ISOFLUOROPHATE; KINETICS; LYSINE; MOLECULAR WEIGHT; SOY BEANS; STARFISH (enzymology); TEMPERATURE; TOSYL COMPOUNDS;

TRYPSIN INHIBITORS; TRYPSIN (metabolism, isolation & purification).

### KRAMSCH DM

COMPONENTS OF THE PROTEIN-LIPID COMPLEX OF ARTERIAL ELASTIN: THEIR ROLE IN THE RETENTION OF LIPID IN ATHEROSCLEROTIC LESIONS. KRAMSCH DM, FRANZBLAU C, HOLLANDER W *ADV EXP MED BIOL* 43: 193-210, 1974 *ENG*  
HUMAN; IN VITRO; CLINICAL RESEARCH; ELASTIN (analysis, metabolism); ARTERIES (pathology, metabolism, analysis); ARTERIOSCLEROSIS (pathology, metabolism); PROTEINS; LIPIDS (metabolism); AUTORADIOGRAPHY; CHEMISTRY; TRITIUM; CHOLESTEROL; LIPOPROTEINS (metabolism); AMINO ACIDS; HYDROLYSIS; CALCINOSIS (pathology); AORTA (pathology).

### KRAUS B

[SELF-CONTROL OF METABOLISM IN DIABETIC PATIENTS] HASLBECK M, KRAUS B, STANDL E, MEHNERT H *DTSCH MED WOCHENSCHR* 99: 2186-90, 25 OCT 74 *GER*

### KRIEGER DT

SLEEP EEG STAGES AND PLASMA GROWTH HORMONE CONCENTRATION IN STATES OF ENDOGENOUS AND EXOGENOUS HYPERCORTISOLEMIA OR ACTH ELEVATION. KRIEGER DT, GLICK SM *J CLIN ENDOCRINOL METAB* 39: 986-1000, DEC 74 *ENG*

ADENOMA (physiopathology); ADOLESCENCE; ADRENAL GLAND HYPERFUNCTION (physiopathology); ADRENAL GLAND NEOPLASMS (physiopathology); ADULT; BRAIN NEOPLASMS (physiopathology, diagnosis); COMPARATIVE STUDY; CORTICOTROPIN (blood); CUSHINGS SYNDROME (physiopathology); ELECTROENCEPHALOGRAPHY; FEMALE; HUMAN; HYDROCORTISONE (blood); HYPOGLYCEMIA (chemically induced); HYPOTHALAMUS; INSULIN; MALE; MIDDLE AGE; PNEUMOENCEPHALOGRAPHY; SLEEP STAGES; SOMATOTROPIN (blood).

### KROLL HJ

FREE TRIIODOTHYRONINE (T<sub>3</sub>)- AND THYROXINE (T<sub>4</sub>) SERUM LEVELS IN OLD AGE. HERRMANN J, RUSCHE HJ, KROLL HJ, HILGER P, KRUSKEMPER HL *HORM METAB RES* 6: 239-40, MAY 74 *ENG*

### KRULWICH TA

REQUIREMENT FOR A FUNCTIONAL RESPIRATION-COUPLED D-FRUCTOSE TRANSPORT SYSTEM FOR INDUCTION OF PHOSPHOENOLPYRUVATE:D-FRUCTOSE PHOSPHOTRANSFERASE ACTIVITY. WOLFSON EB, KRULWICH TA *PROC NATL ACAD SCI USA* 71: 1739-42, MAY 74 *ENG*

### KRUSKEMPER HL

[A COMBINED STIMULATION TEST FOR THE SIMULTANEOUS ANALYSIS OF SEVERAL PARTIAL FUNCTIONS OF THE ANTERIOR PITUITARY GLAND (AUTHORS TRANSL)] KLEY HK, WIEGELMANN W, SOLBACH IG, KRUSKEMPER HL *DTSCH MED WOCHENSCHR* 99: 2014-8, 25-7, 11 OCT 74 *GER*

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### KRUTY F

EFFECT OF ETHANOL ON THE METABOLISM OF THE MYOCARDIUM AND ITS RELATIONSHIP TO DEVELOPMENT OF ALCOHOLIC MYOCARDIOPATHY. GVOZDJAK A, BADA V, KRUTY F, NIEDERLAND TR, GVOZDJAK J *CARDIOLOGY* 58: 290-7, 1973 *ENG*

### KUBLER W

[PERIPHERAL ARTERIAL DISEASE, ANGIOGRAPHICALLY DEMONSTRABLE CORONARY ARTERIOSCLEROSIS AND RISK FACTOR CONSTELLATION IN PATIENTS WITH ANGINA (AUTHORS TRANSL)] KUBLER W, SCHUTZ E, GRIES FA, KLINGER H, KOSCHINSKY T, LOOGEN L, VOGELBERG KH *DTSCH MED WOCHENSCHR* 99: 2201-6, 1 NOV 74 *GER*

ADULT; AGE FACTORS; AGED; ANGINA PECTORIS (complications); ANGIOCARDIOGRAPHY; ARTERIAL OCCLUSIVE DISEASES (etiology); ARTERIES (pathology); ARTERIOSCLEROSIS (complications); BLOOD PRESSURE; CHOLESTEROL (blood); CORONARY VESSELS (pathology); ENGLISH ABSTRACT; FEMALE; GLUCOSE TOLERANCE TEST; HUMAN; HYPERLIPIDEMIA (complications); MALE; MIDDLE AGE; NICOTINE (adverse effects); PROGNOSIS; TRIGLYCERIDES (blood).

### KUBOTA N

[RELATIONSHIP BETWEEN ACROMEGALY AND HISTOLOGICAL PICTURE IN PITUITARY EOSINOPHILIC ADENOMA (AUTHORS TRANSL)] ITO H, ISHIKURA A, KUBOTA N, YOSHIDA S, YAMAMOTO S *NEUROL SURG (TOKYO)* 2: 315-21, APR 74 *JPN*

### KUHN P

[ARRHYTHMIAS IN ACUTE MYOCARDIAL INFARCT] KUHN P, KOLLER H, KOHN P, HOLZHEY P *WIEN Z INN MED* 54: 438-46, 1973 *GER*

ACIDOSIS (complications); ACUTE DISEASE; ARRHYTHMIA (etiology, drug therapy); ASPARTIC ACID (therapeutic use); AURICULAR FIBRILLATION (etiology); AURICULAR FLUTTER (etiology); BRADYCARDIA (etiology); DIGITALIS GLYCOSIDES (therapeutic use); ENGLISH ABSTRACT; EXTRASYSTOLE (etiology); GLUCOSE (therapeutic use); HEART BLOCK (etiology); HUMAN; INSULIN (therapeutic use); LIDOCAINE (therapeutic use); MAGNESIUM (therapeutic use); MALE; MIDDLE AGE; MYOCARDIAL INFARCT (complications); POTASSIUM (therapeutic use); PROGNOSIS; TACHYCARDIA (etiology); TIME FACTORS; VENTRICULAR FIBRILLATION (etiology).

### KUMMER F

[GLUCAGON AND ITS EFFECT ON RESPIRATORY RESISTANCE IN ASTHMATICS] OPOLZER R, KUMMER F *WIEN Z INN MED* 54: 309-11, 1973 *GER*

### KUNITA H

[THE EFFECT OF DRUGS ON THE ENDOCRINE FUNCTION TESTS (AUTHORS TRANSL)] SUZUKI H, NAKAGAWA K, NAKAYAMA H, KUNITA H, HATA S *JPN J CLIN PATHOL* 22: 326-51, AUG 74 *JPN* [296]

### KUNOV A

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# KUO JF

GUANOSINE 3:5-MONOPHOSPHATE-DEPENDENT PROTEIN KINASES IN MAMMALIAN TISSUES. KUO JF *PROC NATL ACAD SCI USA* 71: 4037-41, OCT 74 ENG

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE; ADENOSINE TRIPHOSPHATE (metabolism); ADIPOSE TISSUE (enzymology); ANIMAL EXPERIMENTS; AORTA, THORACIC (enzymology); BRAIN (enzymology); BUFFERS; GUANOSINE CYCLIC 3,5 MONOPHOSPHATE; GUINEA PIGS; HISTONES; ILEUM (enzymology); IN VITRO; ISLANDS OF LANGERHANS (enzymology); LIVER (enzymology); LUNG (enzymology); MYOCARDIUM (enzymology); PHOSPHATES (pharmacodynamics); PHOSPHORUS RADIOISOTOPES; POTASSIUM (pharmacodynamics); PROTEIN KINASE (metabolism, isolation & purification); RATS; STIMULATION, CHEMICAL.

# KUROGOCHI Y

PROCEEDINGS: RELATION BETWEEN HYPERKALEMIA AND HYPERGLYCEMIA. 9. TSUZUKI K, NAKASHIMA T, KUROGOCHI Y *JAP J PHARMACOL* 24: S096, 1974 ENG

# KURUP PA

TISSUE LIPID PATTERN, TISSUE LIPOPROTEIN LIPASE ACTIVITY AND EFFECT OF ADMINISTRATION OF INSULIN AND TOLBUTAMIDE ON THE TISSUE LIPID LEVELS IN ALLOXAN DIABETIC RATS. MALATHY K, KURUP PA *INDIAN J BIOCHEM BIOPHYS* 9: 243-6, SEP 72 ENG

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# KUSAKA I

EFFECT OF GLUCOSE ON THE BIOSYNTHESIS OF THE MEMBRANES OF BACILLUS. KUSAKA I *BIOCHIM BIOPHYS ACTA* 345: 62-73, 12 APR 74 ENG

COMPARATIVE STUDY; GLUCOSE (pharmacodynamics); CELL MEMBRANE (metabolism, drug effects); BACILLUS SUBTILIS (metabolism, cytology, drug effects); BACILLUS CEREUS (metabolism, cytology, drug effects); FATTY ACIDS, NONESTERIFIED (metabolism); SPECIES SPECIFICITY; ELECTROPHORESIS, POLYACRYLAMIDE GEL; PHOSPHOLIPIDS (metabolism); CHROMATOGRAPHY, THIN LAYER; GLYCERIDES (metabolism); ACETATES (metabolism); SPECTROPHOTOMETRY; CARBON RADIOISOTOPES; CYTOCHROMES (metabolism); CELL DIVISION; SUCCINATE DEHYDROGENASE (metabolism); CENTRIFUGATION, DENSITY GRADIENT; TIME FACTORS.

# KUSTNER W

[WEIGHT REDUCTION AND BEHAVIORS OF VARIOUS IMPORTANT SEROCHEMICAL PARAMETERS IN OBESE PERSONS DURING A FORTIFIED REDUCING DIET] KUSTNER W, NOWACKI PE *MED WELT* 25: 1569-71, 27 SEP 74 GER

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# KWAN CW

INHIBITION OF PANCREATIC GLUCAGON RESPONSES TO ARGININE BY SOMATOSTATIN IN NORMAL MAN AND IN INSULIN-DEPENDENT DIABETICS. GERICH JE, LORENZI M, SCHNEIDER V, KWAN CW, KARAM JH, GUILLEMIN R, FORSHAM PH *DIABETES* 23: 876-80, NOV 74 ENG

# LAL D

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# LAMPRECHT SA

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# LANKISCH PG

THE INFLUENCE OF GLUCAGON ON ACUTE EXPERIMENTAL PANCREATITIS IN THE RAT. LANKISCH PG, WINCKLER K, BOKERMANN M, SCHMIDT H, CREUTZFELDT W *SCAND J GASTROENTEROL* 9: 725-9, NOV 74 ENG

ACUTE DISEASE; AMYLASE (blood); ANIMAL EXPERIMENTS; CHYMOTRYPSIN (blood); CORN; DEPRESSION, CHEMICAL; GLUCAGON (therapeutic use, pharmacodynamics); LIPASE (blood); MALE; OILS; ORGAN WEIGHT; PANCREAS (drug effects, enzymology, anatomy & histology); PANCREATITIS (drug therapy, enzymology, chemically induced); PHOSPHOLIPASE (blood); RATS; SODIUM; TAUROCHOLIC ACID; TRYPSIN (blood).

# LAPHAM LW

AN EXPERIMENTAL MODEL FOR THE STUDY OF HEPATIC ENCEPHALOPATHY. NORENBURG MD, LAPHAM LW, NICHOLS FA, MAY AG *ARCH NEUROL* 31: 106-9, AUG 74 ENG

# LAPLANTE M

[DEVELOPMENT OF RADIO-METRIC METHODS FOR IN VITRO DETECTION OF METABOLIC DISEASES IN HUMAN BEINGS] TRAN N, LAPLANTE M, LEBEL E *UNION MED CAN* 103: 1656-9, AUG 73 FRE

# LARGIADER F

[DIAGNOSIS AND THERAPY OF CHRONIC PANCREATITIS] AMMANN R, AKOVBIANTZ A, DEYHLE P, HAHNLOSER P, LARGIADER F, WELLAUER J *DTSCH MED WOCHENSCHR* 99: 2057-64, 11 OCT 74 GER [43]

# LARON Z

LETTER: PLASMA GLUCAGON RESPONSE TO ARGININE INFUSION IN CHILDREN AND ADOLESCENTS WITH CONSTITUTIONAL (FAMILIAL) SHORT STATURE. JOSEF-SBERG Z, LARON Z, DORON M, KARP M, WEISSMAN I *NATURE* 252: 437-8, 13 DEC 74 ENG

# LASSERS BW

SUBSTRATE COMPETITION IN HUMAN MYOCARDIAL METABOLISM. WAHLQVIST ML, CARLSON LA, EKLUND B, KAJSER L, LASSERS BW, LOW H, NYE ER, ROSSNER S *ADV CARDIOL* 12: 94-105, 1974 ENG

# LATASTE J

[HEMIGASTRECTOMY WITH GASTRO-DUODENAL ANASTOMOSIS AND TOTAL VAGOTOMY AS A TREATMENT FOR DUODENAL AND PEPTIC ULCERS. (APPROX OF 200 CASES)] LATASTE J, CHICHE B *J CHIR (PARIS)* 107: 237-48, MAR 74 FRE

ADOLESCENCE; ADULT; AGED; DUODENAL ULCER (surgery, diagnosis); ENGLISH ABSTRACT; FEMALE; FOLLOW-UP STUDIES; GASTRECTOMY (methods); GASTRIC ACIDITY DETERMINATION; GASTROINTESTINAL DISEASES (etiology); HISTAMINE (diagnostic use); HUMAN; INSULIN (diagnostic use); INTESTINAL FISTULA (etiology); INTUBATION, GASTROINTESTINAL; MALE; METHODS; MIDDLE AGE; PEPTIC ULCER HEMORRHAGE (surgery); PEPTIC ULCER PERFORATION (surgery); PEPTIC ULCER (surgery); POSTOPERATIVE CARE; POSTOPERATIVE COMPLICATIONS (mortality); RECURRENCE; RESPIRATORY TRACT DISEASES (etiology); STOMACH ULCER (surgery, diagnosis); THROMBOEMBOLISM (etiology); VAGOTOMY (methods).

# LATIS AT

[CERTAIN BIOCHEMICAL INDICATORS OF BLOOD SERUM DURING EXCLUSION OF THE HEART FROM CIRCULATION IN DEEP HYPOTHERMIA (EXPERIMENTAL-CLINICAL STUDIES)] KORZAN VA, LATIS AT, VOLKOLAKOV IV, BREITSIS KAR-DIOLOGIA 15: 110-6, 1974 RUS

# LATZIN S

THE INFLUENCE OF INSULIN AND GLUCAGON ON HYDROXYMETHYLGLUTARYL COENZYME A REDUCTASE ACTIVITY IN RAT LIVER. HUBER J, GUDER W, LATZIN S, HAMPRECHT B, HOPPE SEYLER S *Z PHYSIOL CHEM* 354: 795-8, JUL 73 ENG

# LAWECKI J

INSULIN-BINDING ANTIBODIES IN SERUM OF DIABETIC CHILDREN TREATED WITH MONOCOMPONENT INSULIN. SYMONIDES-LAWECKA A, LUDWICZAK H, ROGALA H, LAWECKI J, CZYZYK A *ACTA DIABETOLOGICA* 11: 165-70, MAR-APR 74 ENG

# LAWRENCE J

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# LAWRENCE JC JR

EVIDENCE FOR THE INVOLVEMENT OF SULFHYDRYL OXIDATION IN THE REGULATION OF FAT CELL HEXOSE TRANSPORT BY INSULIN. CZECH MP, LAWRENCE JC JR, LYNN WS *PROC NATL ACAD SCI USA* 71: 4173-7, OCT 74 ENG

# LAZARIS YAA

EFFECT OF DAMAGE TO THE VENTROMEDIAL HYPOTHALAMIC NUCLEI ON THE STATE OF THE PANCREATIC ISLETS IN RATS ON A RESTRICTED DIET. LAZARIS YAA, GOLDBERG RS, OSINA PI *BULL EXP BIOL MED* 77: 372-4, OCT 74 ENG

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### LAZORTHES Y

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TION)] LAZORTHES Y, BAYARD F, ZADEH  
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### LEIPOLD HW

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### LESSLEY BA

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### LEV-RAN A

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### LEWIS LA

FAMILIAL HYPOBETALIPROTEINEMIA:  
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MERCER RD *PEDIATRICS* 54: 111-3, JUL 74  
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# LEWIS LD

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MITOCHONDRIAL BIOGENESIS. RETENTION OF TERMINAL FORMYLMETHIONINE IN MEMBRANE PROTEINS AND REGULATION OF THEIR SYNTHESIS. FELDMAN F, MAHLER HR. *J BIOL CHEM* 249: 3702-9, 25 JUN 74 ENG

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**MAKHLOUF GM**

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REVIEW; ANIMAL EXPERIMENTS; HUMAN; DIGESTION; INTESTINES (physiology, innervation); CHEMISTRY; INTESTINAL SECRETIONS; HORMONES (secretion, physiology); GASTROINTESTINAL HORMONES (physiology); INTESTINAL MUCOSA (secretion); ENDOCRINE GLANDS (physiology); GASTRIN (secretion, physiology, analysis, blood); PANCREAS (secretion); BILE (secretion); GASTROINTESTINAL MOTILITY; MUSCLE, SMOOTH (physiology); MOLECULAR CONFORMATION; STOMACH (physiology); PEPTIDES (physiology); EVOLUTION; SECRETIN (physiology); HALF-LIFE; PANCREOZYMIN (physiology); CHOLECYSTOKININ (physiology).

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### MARSHALL J

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### MARSHALL RN

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### MASI G

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### MASIAK SJ

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### MASON DT

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### MATEU L

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### MATSUBA M

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### MAY AG

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### MAZOVETSKII AG

[OSTEOARTHRITIS IN PATIENTS WITH DIABETES MELLITUS] MAZOVETSKII AG, TIRKINA TN, KLIACHKO VR, VERIGO LP *TER ARKH* 46: 65-9, 1974 *RUS*  
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### MEARES JD

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### MEDEIROS D DE

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### MEHDI SQ

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### MEHNERT H

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[SELF-CONTROL OF METABOLISM IN DIABETIC PATIENTS] HASLBECK M, KRAUS B, STANDL E, MEHNERT H *DTSCH MED WOCHENSCHR* 99: 2186-90, 25 OCT 74 GER

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### MEJEAN L

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### MENDELSON J

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### MENTZER RM JR

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### MERCER RD

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### MERCURI O

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ACETATES (metabolism); ANIMAL EXPERIMENTS; CARBON RADIOISOTOPES; CHROMATOGRAPHY, THIN LAYER; COMPARATIVE STUDY; DIABETES MELLITUS (enzymology, chemically induced); ENZYME ACTIVATION (drug effects); FATTY ACID DESATURASES (metabolism); FATTY ACIDS, NONESTERIFIED (pharmacodynamics); FRUCTOSE (pharmacodynamics); LIVER (enzymology, drug effects); MALE; MICROSOES, LIVER (enzymology, drug effects); OLEIC ACID (biosynthesis); RATS; STEARIC ACID (metabolism); STREPTOZOTOCIN; TRITIUM.

### MERIMEE TJ

STABILIZATION OF PLASMA GLUCOSE DURING FASTING; NORMAL VARIATIONS IN

TWO SEPARATE STUDIES. MERIMEE TJ, TYSON JE *N ENGL J MED* 291: 1275-8, 12 DEC 74 ENG

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### METAIS P

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### METTRICK DF

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### MIKANBA ZM

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### MIKHAILICHENKO VA

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### MIKULICIC V

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### MILLER RE

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### MILLER TR

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### MILMAN LS

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**MILNER AD**

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**MIMS RB**

**ACROMEGALY WITH NORMAL FASTING GROWTH HORMONE CONCENTRATIONS BUT ABNORMAL GROWTH HORMONE REGULATION.** MIMS RB, BETHUNE JE *ANN INTERN MED* 81: 781-4, DEC 74 ENG

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**MINAGAWA A**

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**[SLEEP-WAKEFULNESS RHYTHM OF THE SOMATOTROPIN SECRETION IN THE MAN UNDER THE INFLUENCE OF ALPHAMETHYLDOPA AND DISULFIRAM]** GIORDANO G, FOPPIANI E, MINUTO F, MARUGO M, BARRECA T *ARCH E MARAGLIANO PATOL CLIN* 29: 7-14, JAN 73 ITA

**MIROUZE J**

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**MITCHELL JC**

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**MOLNAR GD**

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**MOLTENO CD**

**NEONATAL COMPLICATIONS AND CONDITIONS ASSOCIATED WITH ASPHYXIA NEONATORUM.** MOLTENO CD, MALAN AF, HEESE HD *S AFR MED J* 48: 2259-62, 09 NOV 74 ENG

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**MONIF GR**

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**MONIUSZKO-JAKONIUK J**

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ACETYLCHOLINESTERASE (metabolism, antagonists & inhibitors); ALLOXAN DIABETES (metabolism); ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT (drug effects); CELL MEMBRANE PERMEABILITY (drug effects); COMPARATIVE STUDY; DEPRESSION, CHEMICAL; DRUG SYNERGISM; GASTROINTESTINAL MOTILITY (drug effects); INSULIN (pharmacodynamics); INTESTINE, LARGE (enzymology); INTESTINE, SMALL (enzymology); LEECHES; MALE; MICE; NEOSTIGMINE (pharmacodynamics); STIMULATION, CHEMICAL; TIME FACTORS.

**MONTGOMERY DA**

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**MORELL J**

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**MORSE HG**

**CARBOHYDRATE TRANSPORT AND CYCLIC 3,5 ADENOSINE MONOPHOSPHATE (CAMP) LEVELS IN A TEMPERATURE SENSITIVE PHOSPHOTRANSFERASE MUTANT OF ESCHERICHIA COLI.** DAHL R, MORSE HG, MORSE ML *MOL GEN GENET* 129: 1-10, 6 MAR 74 ENG

**MORSE ML**

**CARBOHYDRATE TRANSPORT AND CYCLIC 3,5 ADENOSINE MONOPHOSPHATE (CAMP) LEVELS IN A TEMPERATURE SENSITIVE PHOSPHOTRANSFERASE MUTANT OF ESCHERICHIA COLI.** DAHL R, MORSE HG, MORSE ML *MOL GEN GENET* 129: 1-10, 6 MAR 74 ENG

**MOSES DC**

**LOCALIZATION OF 133XE IN LIVER DURING VENTILATION STUDIES.** CAREY JE, PURDY JM, MOSES DC *J NUCL MED* 15: 1179-81, DEC 74 ENG

**MOSZCZYNSKI P**

**[CLINICAL VALUE OF ALKALINE PHOSPHATASE DETERMINATION IN NEUTRAL GRANULOCYTES]** MOSZCZYNSKI P *WIAD LEK* 27: 2057-61, 1 DEC 74 POL [0]

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**MROSZCZYK M**

**[ANALYSIS OF 47 DEATHS IN DIABETIC PATIENTS FOLLOWING ACIDOTIC COMA IN THE CITY OF LODZ]** TORZECKA W, MROSZCZYK M *POL ARCH MED WEWN* 52: 515-8, NOV 74 POL

**MUGGEO M**

**INSULIN SECRETION IN HYPERLIPOPROTEINEMIAS.** TIENGO A, MUGGEO M, FEDELE D, MARCHIORI E, CREPALDI G *ACTA DIABETOL LAT* 11: 148-64, MAR-APR 74 ENG

**MUINOVA MM**

**[FACTORS INFLUENCING THE RATE OF DISAPPEARANCE OF I-131-INSULIN IN PATIENTS WITH DIABETES MELLITUS]** LIASHKO KIA, MUINOVA MM *TER ARKH* 46: 49-52, 1974 RUS

**MUNEMURA M**

**IN VITRO EFFECTS OF SYNTHETIC SOMATOTROPIN-RELEASE INHIBITING FAC-**



## MUNICIO AM

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## MUNICIO AM

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## MUNOZ-CALVO R

[EFFECT OF ALLOXAN INTOXICATION ON SERIC LIPIDS (AUTHORS TRANSL)] MUNOZ-CALVO R, VALCAZAR A, LUCAS-GALLEGOS J *REV ESP FISIOL* 28: 247-50, DEC 72 SPA

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## MUNTONI S

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## MURPHY A

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## MURRAY MA

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## MUSA K

IN VITRO EFFECTS OF SYNTHETIC SOMATOTROPIN-RELEASE INHIBITING FACTOR ON CYCLIC AMP LEVEL AND GH RELEASE IN RAT ANTERIOR PITUITARY GLAND. KANEKO T, OKA H, SAITO S, MUNEMURA M, MUSA K, ODA T *ENDOCRINOL JAP* 20: 535-8, OCT 73 ENG

## MYERS RN

PARENTERAL HYPERALIMENTATION--FIVE YEARS CLINICAL EXPERIENCE. MYERS RN, SMINK RD JR, GOLDSTEIN F *AM J GASTROENTEROL* 62: 313-24, OCT 74 ENG

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## MYSLIWIEC M

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## NADROWSKI LF

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## NAFTALIN R

GALACTOSE TRANSPORT IN RABBIT ILEUM. NAFTALIN R, CURRAN PF *J MEMBR BIOL* 16: 257-78, 1974 ENG

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## NAGY G

[COMPLICATIONS IN POLYCYTHEMIA RUBRA VERA AND ITS OCCURRENCE IN OTHER DISEASES] NAGY G, VARSANYI M *FOLIA HAEMATOL (LEIPZ)* 101: 594-601, 1974 GER

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POLYCYTHEMIA VERA (complications); PYELONEPHRITIS (complications); THROMBOSIS (etiology); ULCER (complications).

## NAIR RB

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## NAISMITH DJ

EFFECT OF CHANGES IN THE PROPORTIONS OF THE DIETARY CARBOHYDRATES AND IN ENERGY INTAKE ON THE PLASMA LIPID CONCENTRATIONS IN HEALTHY YOUNG MEN. NAISMITH DJ, STOCK AL, YUDKIN J *NUTR METAB* 16: 295-304, 1974 ENG

HUMAN; MALE; DIETARY CARBOHYDRATES (administration & dosage); STARCH (pharmacodynamics); SUCROSE (pharmacodynamics, administration & dosage); LIPIDS (blood); DIET; CHOLESTEROL (blood); TRIGLYCERIDES (blood); PHOSPHOLIPIDS (blood); DIETARY FATS (administration & dosage); DIETARY PROTEINS (administration & dosage); HYPERLIPIDEMIA (etiology); NUTRITION; ENERGY METABOLISM (drug effects); DOSE-RESPONSE RELATIONSHIP, DRUG; TIME FACTORS; STRUCTURE-ACTIVITY RELATIONSHIP.

## NAITHANI VK

THE SYNTHESIS OF SIX C-PEPTIDE SEQUENCES OF PORCINE PROINSULIN FOR IMMUNOLOGICAL STUDIES. NAITHANI VK, HOPPE SEYLER S *Z PHYSIOL CHEM* 354: 67-74, JAN 73 ENG  
AMINO ACID SEQUENCE; AMINO ACIDS (analysis); CHROMATOGRAPHY, THIN LAYER; CRYSTALLIZATION; ELECTROPHORESIS, PAPER; GEL FILTRATION; IMMUNOASSAY; OLIGOPEPTIDES (chemical synthesis, immunology); OPTICAL ROTATION; PEPTIDES (chemical synthesis, immunology); PROINSULIN (chemical synthesis, immunology); SWINE.

STUDIES ON POLYPEPTIDES, III. THE SYNTHESIS OF FIVE C-PEPTIDE SEQUENCES OF PORCINE PROINSULIN FOR IMMUNOLOGICAL STUDIES. NAITHANI VK, HOPPE SEYLER S *Z PHYSIOL CHEM* 354: 141-6, FEB 73 ENG

CHROMATOGRAPHY, DEAE-CELLULOSE; CHROMATOGRAPHY, ION EXCHANGE; CHROMATOGRAPHY, PAPER; CRYSTALLIZATION; ELECTROPHORESIS, PAPER; IMMUNOASSAY; METHODS; OLIGOPEPTIDES (chemical synthesis, immunology); OPTICAL ROTATION; PEPTIDES (chemical synthesis, immunology); PROINSULIN (chemical synthesis, immunology); SWINE.

STUDIES ON POLYPEPTIDES, IV. THE SYNTHESIS OF C-PEPTIDE OF HUMAN PROINSULIN. NAITHANI VK, HOPPE SEYLER S *Z PHYSIOL CHEM* 354: 659-72, JUN 73 ENG

AMINO ACIDS (analysis); CELLULOSE; CHROMATOGRAPHY, ION EXCHANGE; CHROMATOGRAPHY, THIN LAYER; ELECTROPHORESIS; ELECTROPHORESIS, PAPER; GEL FILTRATION; HUMAN; LEUCINE AMINOPEPTIDASE; METHODS; OPTICAL ROTATION; PROINSULIN (chemical synthesis); SOLUBILITY.

## NAITO C

A POSSIBLE ROLE OF CIRCULATING LIPOPROTEIN-TRIGLYCERIDES IN THE IN-



CREASE IN CONCENTRATION OF FREE FATTY ACIDS AND IN INSULIN RESISTANCE IN TOTAL LIPODYSTROPHY. NAITO C, TOGAWA K *J CLIN ENDOCRINOL METAB* 39: 1030-7, DEC 74 ENG

ADULT; BLOOD SUGAR (metabolism); CHOLESTEROL (blood); CHROMATOGRAPHY, GAS; FATTY ACIDS, NONESTERIFIED (blood); FATTY LIVER (diagnosis); FEMALE; GLYCERIN (blood); HEPARIN (diagnostic use); HUMAN; INSULIN RESISTANCE; IODINE RADIOISOTOPES; LIPODYSTROPHY (metabolism, congenital); LIPOPROTEIN LIPASE (blood); LIPOPROTEINS (metabolism); NOREPINEPHRINE (pharmacodynamics); PHOSPHOLIPIDS (blood); TRIGLYCERIDES (metabolism).

# NAKAGAWA K

[THE EFFECT OF DRUGS ON THE ENDOCRINE FUNCTION TESTS (AUTHORS TRANSL)] SUZUKI H, NAKAGAWA K, NAKAYAMA H, KUNITA H, HATA S *JPN J CLIN PATHOL* 22: 326-51, AUG 74 JPN [296]

# NAKASHIMA T

PROCEEDINGS: RELATION BETWEEN HYPERKALEMIA AND HYPERGLYCEMIA. 9, TSUZUKI K, NAKASHIMA T, KUROGOCHI Y *JAP J PHARMACOL* 24: S096, 1974 ENG

NAKATA Y, OKAGAWA K, SAKAMOTO Y

MICROSOMAL ACETYLESTERASE ACTIVITY IN TUMOR-BEARING RATS. NAKATA Y, OKAGAWA K, SAKAMOTO Y *GANN* 65: 367-9, AUG 74 ENG

ACETYLESTERASE (metabolism, blood); ALLOXAN DIABETES (metabolism); ANIMAL EXPERIMENTS; FASTING; HEPATOMA (enzymology); HYDROCORTISONE (pharmacodynamics); LIVER NEOPLASMS (enzymology); MALE; MICROSOMES, LIVER (enzymology); NEOPLASMS, EXPERIMENTAL (enzymology); PHLORHIZIN (pharmacodynamics); PROTEIN DEFICIENCY (metabolism); RATS.

# NAKAYAMA H

[THE EFFECT OF DRUGS ON THE ENDOCRINE FUNCTION TESTS (AUTHORS TRANSL)] SUZUKI H, NAKAGAWA K, NAKAYAMA H, KUNITA H, HATA S *JPN J CLIN PATHOL* 22: 326-51, AUG 74 JPN [296]

# NASSIET J

[TREATMENT OF DIABETIC RETINOPATHY BY STEREOTAXIC INTRAPITUITARY IMPLANTATION OF RADIOACTIVE GOLD] DEBRY G, DROUIN P, MEJEAN L, SAUDAX E, GROBOITEK M, TALAIRACH J, SCHAUB C, SZIKLA G, BLUET-PAJOT MT, NASSIET J *REV PRAT* 24: 3123-4 PASSIM, 24 JUN 74 FRE

# NERUP J

ADDISONS DISEASE - A REVIEW OF SOME CLINICAL, PATHOLOGICAL AND IMMUNOLOGICAL FEATURES. NERUP J *DAN MED BULL* 21: 201-17, OCT 74 ENG [154]

ADDISONS DISEASE (pathology, immunology, complications); ADRENAL GLANDS (immunology); ADULT; ANEMIA, PERNICIOUS (complications); ANTIBODIES (analysis); CEREBRAL SCLEROSIS, DIFFUSE (complications); DIABETES MELLITUS (complications); FEMALE; GOITER (complications); HUMAN; HYPERSENSITIVITY, DELAYED; HYPERTHYROIDISM (complications); HYPOGONADISM (complications); HYPOPARATHYROIDISM (complications); MALE; MIDDLE AGE; REVIEW; THYROIDITIS, LYMPHOMATOUS (complications).

# NESTEROVA ED

[DYNAMICS OF THE EXOCRINE FUNCTION OF THE PANCREAS IN PATIENTS WITH DIABETES MELLITUS DURING TREATMENT WITH INSULIN AND BUCARBAN] KALININA NA, NESTEROVA ED *TER ARKH* 46: 74-7, 1974 RUS

# NEWMAN S

DIABETIC SCREENING IN THE DENTAL OFFICE. CHAPNICK L, JOLLEY HM, NEWMAN S *J DENT QUE* 11: 10-3, AUG-SEP 74 ENG

# NEWMARK SR

HYPERGLYCEMIC AND HYPOGLYCEMIC CRISES. NEWMARK SR, HIMATHONGKAM T, SHANE JM *JAMA* 231: 185-7, 13 JAN 75 ENG

ACIDOSIS, DIABETIC (therapy, drug therapy); AGED; BLOOD PRESSURE; BLOOD SUGAR (analysis); CARBON DIOXIDE (cerebrospinal fluid); COMA (therapy); DEHYDRATION (therapy); DIABETIC COMA (therapy, drug therapy); EMERGENCIES; GLUCOSE (therapeutic use, administration & dosage); HUMAN; HYDROGEN-ION CONCENTRATION; HYPERGLYCEMIA (therapy, drug therapy); HYPOGLYCEMIA (therapy, drug therapy); INJECTIONS, INTRAMUSCULAR; INJECTIONS, INTRAVENOUS; INJECTIONS, SUBCUTANEOUS; INSULIN RESISTANCE; INSULIN (therapeutic use, administration & dosage); KETONE BODIES (blood); POTASSIUM (therapeutic use); SODIUM (therapeutic use).

# NICHOLS FA

AN EXPERIMENTAL MODEL FOR THE STUDY OF HEPATIC ENCEPHALOPATHY. NORENBERG MD, LAPHAM LW, NICHOLS FA, MAY AG *ARCH NEUROL* 31: 106-9, AUG 74 ENG

# NICHOLSON G

SUCCESSFUL TREATMENT OF DISSEMINATED INTRAVASCULAR COAGULOPATHY COMPLICATING DIABETIC COMA. NICHOLSON G, TOMKIN GH *BR MED J* 4: 450, 23 NOV 74 ENG

AMPICILLIN (therapeutic use); BLOOD SUGAR; DIABETIC COMA (complications); DISSEMINATED INTRAVASCULAR COAGULATION (drug therapy); EPISTAXIS (complications); FEMALE; GLUCOSE (therapeutic use); GLYCOSURIA; HEMATOCRIT; HEMATURIA (complications); HEPARIN (therapeutic use); HUMAN; INJECTIONS, INTRAVENOUS; INSULIN (therapeutic use); MANNITOL (therapeutic use); MIDDLE AGE; SODIUM (blood).

# NIEDERLAND TR

EFFECT OF ETHANOL ON THE METABOLISM OF THE MYOCARDIUM AND ITS RELATIONSHIP TO DEVELOPMENT OF ALCOHOLIC MYOCARDIOPATHY. GVOZDJAK A, BADA V, KRUTY F, NIEDERLAND TR, GVOZDJAK J *CARDIOLOGY* 58: 290-7, 1973 ENG

# NIESCHLAG E

A NEW APPROACH FOR INVESTIGATING HYPOTHALAMO-PITUITARY-GONADAL AND ADRENAL FEEDBACK CONTROL MECHANISMS: ACTIVE IMMUNIZATION WITH STEROIDS. NIESCHLAG E, USADEL KH, KLEY HK, SCHWEDES U, SCHOFFLING K, KRUSKEMPER HL *ACTA ENDOCRINOL (KBH)* 76: 556-69, JUL 74 ENG

RABBITS; ANIMAL EXPERIMENTS; MALE; HYDROCORTISONE (pharmacodynamics, blood); ALDOSTERONE (pharmacodynamics, blood); DEHYDROEPIANDROSTERONE (pharmacodynamics); TESTOSTERONE

(pharmacodynamics, blood); STANOLONE (pharmacodynamics, blood); ESTRADIOL (pharmacodynamics, blood); HYPOTHALAMUS (drug effects); PITUITARY GLAND (drug effects); ADRENAL GLANDS (drug effects); METHODS; GONADS (drug effects); FEEDBACK; ADRENALECTOMY; IMMUNIZATION; LEYDIG CELLS (cytology); CELL NUCLEUS; RADIOIMMUNOASSAY; PROTEIN BINDING; BINDING, COMPETITIVE.

# NILSSON KO

THE EFFECT OF L-DOPA ON THE BLOOD CONCENTRATIONS OF GROWTH HORMONE, THYROTROPIN, GONADOTROPHINS, CORTISOL AND GLUCOSE IN CHILDREN WITH SHORT STATURE. NILSSON KO, THORELL JI *ACTA PAEDIATR SCAND* 63: 812-6, NOV 74 ENG

ADMINISTRATION, ORAL; ADOLESCENCE; BLOOD SUGAR (metabolism); CHILD; COMPARATIVE STUDY; DOPA (pharmacodynamics, diagnostic use, administration & dosage); FEMALE; FSH (blood); GROWTH DISORDERS (blood); HUMAN; HYDROCORTISONE (blood); INSULIN (pharmacodynamics, diagnostic use); LH (blood); MALE; SOMATOTROPIN (blood); STIMULATION, CHEMICAL; THYROTROPIN (blood); TIME FACTORS.

# NITZAN M

EFFECT OF POSTNATAL MALNUTRITION ON PLASMA PROTEINS AND GROWTH HORMONE IN THE RAT. NITZAN M, WILBER JF *HORM RES* 5: 167-72, 1974 ENG

ANIMAL EXPERIMENTS; MALE; FEMALE; COMPARATIVE STUDY; BLOOD PROTEINS (metabolism); SOMATOTROPIN (blood); NUTRITION DISORDERS (blood, metabolism); WEANING; SERUM ALBUMIN (metabolism); SERUM GLOBULINS (metabolism); ELECTROPHORESIS, CELLULOSE; RADIOIMMUNOASSAY; DISEASE MODELS, ANIMAL; TIME FACTORS.

# NIVARD RJ

SYNTHESIS OF THE A 14-21 SEQUENCE OF OVINE INSULIN BY THE SOLID-PHASE TECHNIQUE. WOLTERS ET, TESSER GI, NIVARD RJ *J ORG CHEM* 39: 3388-92, 14 NOV 74 ENG

# NORBERG K

CHANGES IN CARBOHYDRATE SUBSTRATES, AMINO ACIDS AND AMMONIA IN THE BRAIN DURING INSULIN-INDUCED HYPOGLYCEMIA. LEWIS LD, LJUNGREN B, NORBERG K, SIESJO BK *J NEUROCHEM* 23: 659-71, OCT 74 ENG

# NORENBERG MD

AN EXPERIMENTAL MODEL FOR THE STUDY OF HEPATIC ENCEPHALOPATHY. NORENBERG MD, LAPHAM LW, NICHOLS FA, MAY AG *ARCH NEUROL* 31: 106-9, AUG 74 ENG

RATS; ANIMAL EXPERIMENTS; MALE; HEPATIC COMA (pathology); DISEASE MODELS, ANIMAL; PORTACAVAL ANASTOMOSIS; ION EXCHANGE RESINS; AMMONIUM COMPOUNDS; CEREBRAL CORTEX (pathology); NEUROGLIA; AMMONIA (blood); BLOOD SUGAR (analysis); BILIRUBIN (blood); CELL NUCLEUS; CELL NUCLEOLUS; EVALUATION STUDIES.

# NOUSIAINEN R

[GROWTH HORMONE] NOUSIAINEN R *DUODECIM* 90: 884-7, 1974 FIN  
ANIMAL EXPERIMENTS; BLOOD SUGAR (metabolism); CENTRAL NERVOUS SYSTEM (physiology); DEPRESSION, CHEMICAL; HUMAN; INSULIN (blood); LIPIDS (blood); PITUITARY GLAND (physiology); PROTEINS

# NOUZA K

(metabolism); SOMATOTROPIN (physiology, pharmacodynamics); STIMULATION, CHEMICAL.

# NOUZA K

ADAPTIVE TRANSFER OF IMMUNODIABETES IN GUINEA PIG. KORCAKOVA L, TITLBACH M, NOUZA K. *ACTA DIABETOLOGICA* 11: 112-35, MAR-APR 74 ENG

# NOWACKI PE

[WEIGHT REDUCTION AND BEHAVIORS OF VARIOUS IMPORTANT SEROCHEMICAL PARAMETERS IN OBESE PERSONS DURING A FORTIFIED REDUCING DIET] KUSTNER W, NOWACKI PE. *MED WELT* 25: 1569-71, 27 SEP 74 GER

# NUSSEL E

[RECENT RESULTS OF THE HEIDELBERG RESEARCH INTO THE EPIDEMIOLOGY OF CARDIAC INFARCTION (AUTHORS TRANSL.)] SCHETTLER G, NUSSEL E. *DTSCH MED WOCHENSCHR* 99: 2003-8, 11 OCT 74 GER

# NUSSEY SS

PROCEEDINGS: THYROID-STIMULATING HORMONE BINDING TO HUMAN THYROID MEMBRANES AND SOLUBILIZED RECEPTORS. NUSSEY SS, MEHDI SQ. *N ENGL J MED* 291: LVII, 11 JUN 74 ENG

HUMAN; IN VITRO; THYROTROPIN (metabolism); THYROID GLAND (metabolism); RECEPTORS, HORMONE; CELL MEMBRANE (metabolism); BINDING SITES; IODINE RADIOISOTOPES; SURFACE-ACTIVE AGENTS; SOLUBILITY.

# NYE ER

SUBSTRATE COMPETITION IN HUMAN MYOCARDIAL METABOLISM. WAHLQVIST ML, CARLSON LA, EKLUND B, KAUSSER L, LASSERS BW, LOW H, NYE ER, ROSSNER S. *ADV CARDIOL* 12: 94-105, 1974 ENG

# OBRIEN M

ALTERATION OF SERUM LIPIDS IN A GROUP OF FREE-LIVING ADULT MALES. SHOREY RL, BREWTON K, SEWELL B, OBRIEN M. *AM J CLIN NUTR* 27: 268-75, MAR 74 ENG

# ODA T

IN VITRO EFFECTS OF SYNTHETIC SOMATOTROPIN-RELEASE INHIBITING FACTOR ON CYCLIC AMP LEVEL AND GH RELEASE IN RAT ANTERIOR PITUITARY GLAND. KANEKO T, OKA H, SAITO S, MUNEMURA M, MUSA K, ODA T. *ENDOCRINOL JAP* 20: 535-8, OCT 73 ENG

# ODONNELL J

STREPTOZOTOCIN TREATMENT FOR MALIGNANT INSULINOMA. O'DONNELL J, ALLEN IV, HUNTER JC, MCILRATH EM, MONTGOMERY DA. *IR J MED SCI* 143: 137-44, MAY 74 ENG

HUMAN; MALE; STREPTOZOTOCIN (therapeutic use, administration & dosage); ISLET CELL TUMOR (drug therapy); PANCREATIC NEOPLASMS (drug therapy); NEOPLASM METASTASIS; INJECTIONS, INTRA-ARTERIAL; INJECTIONS, INTRAVENOUS; METHODS; DRUG EVALUATION.

# OESCH F, OHNHAUS EE

DIMETHYLBIGUANIDE-EVOKED INCREASE OF ANTICOAGULANT ELIMINATION NOT ASSOCIATED WITH INDUCTION OF DRUG METABOLIZING ENZYMES. OESCH F, OHNHAUS EE. *BIOCHEM MED* 11: 344-9, DEC 74 ENG

AMINOPYRINE N-DEMETHYLASE (metabolism); ANIMAL EXPERIMENTS; BENZOPYRENES; BODY WEIGHT; CARBON

RADIOISOTOPES; CHROMATOGRAPHY, THIN LAYER; COMPARATIVE STUDY; CYTOCHROME P-450 (metabolism); ENZYME INDUCTION (drug effects); EPOXY COMPOUNDS; HYDRO-LYASES (metabolism); MALE; METFORMIN (pharmacodynamics); MICROSOMES, LIVER (enzymology, drug effects); ORGAN WEIGHT; RATS; SPECTROMETRY, FLUORESCENCE; SPECTROPHOTOMETRY; TIME FACTORS; TRITIUM.

# OGANOV RG

[IMMUNOREACTIVE INSULIN LEVEL IN THE BLOOD PLASMA IN PATIENTS WITH ACUTE MYOCARDIAL INFARCT] OGANOV RG, ALEKSANDROV AA, VINOGRADOVA IV. *KARDIOLOGIJA* 14: 133-7, JUL 74 RUS

AGED; ANTIGENS (isolation & purification); BLOOD SUGAR (analysis); CARBOHYDRATES (metabolism); ENGLISH ABSTRACT; FEMALE; HUMAN; INSULIN (blood, immunology); MALE; MIDDLE AGE; MYOCARDIAL INFARCT (immunology, blood, metabolism); TIME FACTORS.

# OGAWARA H

EFFECT OF GLIPIZIDE ON THE RELEASE OF INSULIN IN THE PERFUSED RAT PANCREAS IN VITRO. TASAKA Y, SEKINE M, SUGIMOTO C, OGAWARA H, SHIZUME K. *ENDOCRINOL JPN* 21: 279-81, JUN 74 ENG

# OH MS

A MECHANISM FOR HYPOTENSIOMY HYPOTALDOSTERONISM IN CHRONIC RENAL DISEASE. OH MS, CARROLL HJ, CLEMMONS JE, VAGNUCCI AH, LEVISON SP, WHANG ES. *METABOLISM* 23: 1157-66, DEC 74 ENG

ADRENAL CORTEX (physiopathology); ADULT; ALDOSTERONE (deficiency, urine, blood); BLOOD PRESSURE (drug effects); CORTICOTROPIN (pharmacodynamics); DIABETES MELLITUS (blood, complications); DIURNAL RHYTHM; FEMALE; FUROSEMIDE (pharmacodynamics); GOUT (blood, complications); HUMAN; HYPERTENSION, RENAL (physiopathology, blood); KIDNEY FAILURE, CHRONIC (blood, physiopathology, complications); MALE; MIDDLE AGE; RENIN (deficiency, blood); SODIUM CHLORIDE (pharmacodynamics); WATER-ELECTROLYTE BALANCE (drug effects).

# OH W

INSULIN-GLUCAGON SUBSTRATE INTER-RELATIONSHIPS IN THE NEONATAL SHEEP. FISER RH JR, PHELPS DL, WILLIAMS PR, SPERLING MA, FISHER DA, OH W. *AM J OBSTET GYNECOL* 120: 944-50, 1 DEC 74 ENG

# OKA H

IN VITRO EFFECTS OF SYNTHETIC SOMATOTROPIN-RELEASE INHIBITING FACTOR ON CYCLIC AMP LEVEL AND GH RELEASE IN RAT ANTERIOR PITUITARY GLAND. KANEKO T, OKA H, SAITO S, MUNEMURA M, MUSA K, ODA T. *ENDOCRINOL JAP* 20: 535-8, OCT 73 ENG

# OKA T

CHANGES IN INSULIN RESPONSIVENESS DURING DEVELOPMENT OF MAMMARY EPITHELIUM. OKA T, PERRY JW, TOPPER YJ. *J CELL BIOL* 62: 550-6, AUG 74 ENG

ANIMAL EXPERIMENTS; BREAST (drug effects, physiology, ultrastructure, metabolism); CELL DIFFERENTIATION (drug effects); CELLS, CULTURED; DNA (biosynthesis); EPITHELIAL CELLS; FEMALE; INSULIN (pharmacodynamics); LACTATION; PREGNANCY.

# OKADA M

GLUTAMATE OXIDATION IN LIVER MITOCHONDRIA OF RATS FED ON PYRIDOXINE-DEFICIENT DIET. TAKAHASHI T, OKADA M. *J NUTR SCI VITAMINOL (TOKYO)* 19: 465-7, OCT 73 ENG

# OLEFSKY JM

REAPPRAISAL OF THE ROLE OF INSULIN IN HYPERTRIGLYCERIDEMIA. OLEFSKY JM, FAROUHAR JW, REAVEN GM. *AM J MED* 57: 551-60, OCT 74 ENG

ADMINISTRATION, ORAL; ADULT; AGED; BLOOD SUGAR (analysis); DIET; EPINEPHRINE (administration & dosage); FEMALE; GLUCOSE TOLERANCE TEST; GLUCOSE (administration & dosage); GLYCERIN (metabolism); HUMAN; HYPERLIPIDEMIA (etiology, blood); INJECTIONS, INTRAVENOUS; INSULIN RESISTANCE; INSULIN (blood, administration & dosage); LIPOPROTEINS, VLDL (biosynthesis, blood); LIVER (metabolism); MALE; MIDDLE AGE; OBESITY (complications, blood); PROPANOLOL (administration & dosage); TRIGLYCERIDES (blood, biosynthesis); TRITIUM.

# OLESEN OV

EFFECT OF LITHIUM ON GLUCAGON-STIMULATED CYCLIC AMP EXCRETION IN RATS. OLESEN OV, JENSEN J, THOMSEN K. *ACTA PHARMACOL TOXICOL (KBH)* 35: 403-11, NOV 74 ENG

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (urine, metabolism); ADENYL CYCLASE (metabolism); ADMINISTRATION, ORAL; ANIMAL EXPERIMENTS; DEPRESSION, CHEMICAL; DOSE-RESPONSE RELATIONSHIP, DRUG; GLUCAGON (pharmacodynamics, administration & dosage); IN VITRO; INJECTIONS, SUBCUTANEOUS; LITHIUM (pharmacodynamics, administration & dosage); LIVER (enzymology, drug effects); MALE; PHOSPHODIESTERASES (metabolism); PROTEIN KINASE (metabolism); RATS; STIMULATION, CHEMICAL; TIME FACTORS.

# ONGERI SK

ELECTROLYTE IMBALANCE IN DEHYDRATED CHILDREN IN PAEDIATRIC OBSERVATION WARD KENYATTA NATIONAL HOSPITAL ONGERI SK, BARUA KN. *EAST AFR MED J* 51: 90-4, JAN 74 ENG

INFANT; CHILD, PRESCHOOL; CHILD; HUMAN; MALE; FEMALE; WATER-ELECTROLYTE BALANCE; DEHYDRATION (metabolism, occurrence, etiology); BLOOD SUGAR (analysis); KENYA; DIARRHEA (complications); VOMITING (complications); AGE FACTORS.

# OPPOLZER R

[GLUCAGON AND ITS EFFECT ON RESPIRATORY RESISTANCE IN ASTHMATICS] OPOLZER R, KUMMER F. *WIEN Z INN MED* 54: 309-11, 1973 GER

AIRWAY RESISTANCE (drug effects); ALLERGENS (adverse effects); ASTHMA (physiopathology, prevention & control); DUST (adverse effects); ENGLISH ABSTRACT; FEATHERS; GLUCAGON (pharmacodynamics); HAIR; HUMAN; LACTOSE (pharmacodynamics); PLETHYSMOGRAPHY; STIMULATION, CHEMICAL.

# ORAVA S

BLOOD GLUCOSE, SERUM FFA AND SERUM INSULIN LEVELS AFTER THE INTAKE OF THE CARBOHYDRATE RICH SOLUTION BEFORE EXERCISE IN MAN. ORAVA S, VAPAATALO H, SAARELA J, REINILA M. *J SPORTS MED PHYS FITNESS* 14: 93-102, JUN 74 ENG

ADULT; BLOOD PRESSURE; BLOOD SUGAR (analysis); CARBOHYDRATES (metabolism, administration & dosage); CLINICAL RESEARCH; COMPARATIVE STUDY; ENERGY METABOLISM; EXERTION; FATTY ACIDS, NONESTERIFIED (blood); HEART RATE; HUMAN; INSULIN (blood); LIVER GLYCOGEN (metabolism); MALE; SOLUTIONS.

# ORBETSOV M

[DISTRIBUTION OF DIABETES MELLITUS AND ALIMENTARY OBESITY AMONG THE POPULATION OF THE CITY OF KAZANLUK AND ITS NEIGHBORING VILLAGES] RASHEV M, DOBREV DG, STANCHEV L, ZOGRAFSKI B, KUNOV A, ORBETSOV M, AVRAMOVA F, DZHONOV A, TENEV S *VUTR BOLES* 11: 46-53, 1972 BUL

# ORBETSOVA V

[THE CONTENT OF NICOTINAMIDE COENZYMES NAD AND NADH, AND THE ADENYL SYSTEM IN DIABETICS] PUKHLEV A, TIKHOLOV K, ORBETSOVA V, DOCHEV D, ILIEVA E *VUTR BOLES* 11: 35-44, 1972 BUL

# ORECCHIA C

[SUPERSELECTIVE VAGOTOMY AND PEROPERATIVE ACID-SECRETION TEST] GRASSI G, ORECCHIA C, SBUELZ B, GRASSI GB *J CHIR (PARIS)* 107: 275-81, MAR 74 FRE

# OROFINO G

[MORPHOLOGICAL CHANGES IN THE PANCREAS AND ISLANDS OF LANGERHANS IN RATS DURING INDUCED HYPERGLYCEMIA AND HYPOGLYCEMIA] OROFINO G, BIGOTTIA *CLIN TER* 70: 545-9, 30 SEP 74 ITA  
ANIMAL EXPERIMENTS; DIABETES MELLITUS (chemically induced, pathology); GLIBENCLAMIDE; HYPERGLYCEMIA (chemically induced, pathology); HYPOGLYCEMIA (chemically induced, pathology); ISLANDS OF LANGERHANS (pathology); PANCREAS (pathology); RATS; STREPTOZOTOCIN.

# ORTHNER CL

AN EVALUATION OF REGULATION OF THE HEXOSE MONOPHOSPHATE SHUNT IN ESCHERICHIA COLI. ORTHNER CL, PIZER LJ *J BIOL CHEM* 249: 3750-5, 25 JUN 74 ENG  
HEXOSEPHOSPHATES (metabolism); ESCHERICHIA COLI (metabolism, enzymology); GLUCOSE (metabolism); CARBON RADIOISOTOPES; KINETICS; GLUCOSEPHOSPHATE DEHYDROGENASE (metabolism, antagonists & inhibitors, isolation & purification); OXIDATION-REDUCTION; GLUCOSEPHOSPHATES (metabolism); PHOSPHOGLUCONATE DEHYDROGENASE (metabolism); SPECIES SPECIFICITY; MUTATION; CARBON DIOXIDE (metabolism); NAD (metabolism); NADP (metabolism, pharmacodynamics).

# OSINA PI

EFFECT OF DAMAGE TO THE VENTROMEDIAL HYPOTHALAMIC NUCLEI ON THE STATE OF THE PANCREATIC ISLETS IN RATS ON A RESTRICTED DIET. LAZARIS YAA, GOLDBERG RS, OSINA PI *BULL EXP BIOL MED* 77: 372-4, OCT 74 ENG

# OSTVOLD T

THE BIOLOGICAL MEMBRANE POTENTIAL: A THERMODYNAMIC APPROACH. FORLAND T, OSTVOLD T *J MEMBR BIOL* 16: 101-20, 1974 ENG

# OSULLIVAN JB

GLUCOSE DISPOSAL RATES AND THE GLUCOSE CHALLENGE IN PREGNANT WOMEN. OSULLIVAN JB, MAHAN CM, DAGOSTINO

RB, CHARLES D *J CLIN ENDOCRINOL METAB* 39: 1067-71, DEC 74 ENG  
ANALYSIS OF VARIANCE; BLOOD SUGAR (metabolism); BODY WEIGHT; FEMALE; GLUCOSE TOLERANCE TEST; HUMAN; PREGNANCY; PREGNANCY, THIRD TRIMESTER.

# OTHMER E

BODY BUILD AND SLEEP-RELATED GROWTH HORMONE SECRETION. OTHMER E, LEVINE WR, MALARKEY WB, CORVALAN JC, HAYDEN-OTTO MP, FISHMAN PM, DAUGHADAY WH *HORM RES* 5: 156-66, 1974 ENG

ADULT; MIDDLE AGE; AGED; HUMAN; MALE; COMPARATIVE STUDY; SOMATOTROPIN (blood); SLEEP; BODY WEIGHT; BODY HEIGHT; AGE FACTORS; ELECTROENCEPHALOGRAPHY; ELECTROOCULOGRAPHY; ELECTROMYOGRAPHY; RADIOIMMUNOASSAY; TIME FACTORS.

# OUART J

HYPOGLYCAEMIC AND RELATED ACTIVITIES OF A NEW PYRAZOLOPYRIDINE DERIVATIVE (SQ 65,993). POLACEK I, SCHULZE E, BURG H, OUART J *ARZNEIM FORSCH* 24: 1242-7, SEP 74 ENG

# OWEN CS

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ANIMAL EXPERIMENTS; OXYGEN CONSUMPTION; MITOCHONDRIA, MUSCLE (metabolism); OXIDATIVE PHOSPHORYLATION; MYOCARDIUM (metabolism); KINETICS; ADENOSINE TRIPHOSPHATE (metabolism); ADENOSINE DIPHOSPHATE (metabolism); PHOSPHATES (metabolism); MATHEMATICS; MODELS, BIOLOGICAL; NAD (metabolism); OXIDATION-REDUCTION; TIME FACTORS.

# OZER H

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# PAGLIARA AS

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# PAGNAN A

STUDY ON THE RISK FACTORS OF CORONARY HEART DISEASE IN FAMILY AGGREGATES OF VERONA. PAGNAN A, DONADON W, FERRARI S, GIRELLI BRUNI E, TONOLLI E, DAL PALU C *G ITAL CARDIOL* 4: 249-60, 1974 ENG

HUMAN; MALE; FEMALE; COMPARATIVE STUDY; CORONARY DISEASE (familial & genetic, blood); PROGNOSIS; PROBABILITY; CHOLESTEROL (blood); TRIGLYCERIDES (blood); BLOOD PRESSURE; BLOOD PROTEINS (analysis); BLOOD SUGAR (analysis); URIC ACID (blood); STATISTICS; CALCIUM (blood); MODELS, BIOLOGICAL; FIBRINOGEN (analysis); SEX FACTORS; AGE FACTORS; FOLLOW-UP STUDIES.

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# PALVA IP

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# PAMPULOV L

[WILSON BLOCK OF A TRANSITORY CHARACTER, IN A PATIENT WITH DIABETES MELLITUS] PAMPULOV L, VASILEVSKI N *VUTR BOLES* 11: 126-31, 1972 BUL

ADULT; BUNDLE-BRANCH BLOCK (etiology, diagnosis); DIABETES MELLITUS (complications); ELECTROCARDIOGRAPHY; ENGLISH ABSTRACT; HUMAN; MALE.

[RARE METABOLIC COMPLICATIONS DURING THE DEVELOPMENT OF DIABETES MELLITUS] PAMPULOV L *VUTR BOLES* 11: 63-71, 1972 BUL [119]

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### PARIZKOVA J

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### PARRA A

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### PARSONS RL

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### PARTHOMORE JG

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### PATON A

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### PAVLOV K

[THE EFFECT OF BIGUANIDES ON SOME FUNCTIONS OF THE LIVER IN THE TREATMENT OF DIABETES] PAVLOV K *VUTR BOLES* 13: 56-60, 1974 BUL

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### PAXTON H

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### PEABODY CN

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### PEARSON AM

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### PELUFFO RO

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### PENCHEV I

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### PENCHEV IG

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### PENG YI, PENG MT

THE EFFECT OF GLUCOSE AND TETRAETHYLAMMONIUM ON THE PROPULSIVE MOTILITY OF SMALL INTESTINE IN HYPOPHYSECTOMIZED RATS. PENG YI, PENG MT *J FORMOSAN MED ASSOC* 73: 445-50, AUG 74 ENG

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### PEPPER FH

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### PEREZ G

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### PEREZ-PASTEN E

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### PERKASH I

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### PERMIAKOV NK

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# **PERRY JW**

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# **PETROV S**

[RADIOISOTOPE DETERMINATION OF RENAL BLOOD CIRCULATION IN DIABETES MELLITUS] KOLIPILEV V, PETROV S *VUTR BOLES* 11: 41-6, 1972 *BUL*

# **PHELPS DL**

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# **PICCOLI G**

[RENAL INSUFFICIENCY IN THE COURSE OF ACUTE PANCREATITIS] RAGNI R, STRATTA P, DOGLIANI M, CAMUSSI P, PICCOLI G, VERCELLONE A *MINERVA NEFROL* 21: 114-24, MAR-APR 74 *ITA*

# **PICHUGIN VV**

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# **PICON L**

DIABETOGENIC EFFECT OF STREPTOZOTOCIN IN THE RAT DURING THE PERINATAL PERIOD. PORTHA B, LEVACHER C, PICON L, ROSSELIN G *DIABETES* 23: 889-95, NOV 74 *ENG*

# **PIETEROWA R**

[BLOOD INSULIN IN PATIENTS WITH CHRONIC PANCREATITIS] PIETEROWA R, SZCZECINSKA O, TORZECKA W, POLAKOWSKI P *POL ARCH MED WEWN* 52: 493-502, NOV 74 *POL*

ADULT; CHRONIC DISEASE; ENGLISH ABSTRACT; FEMALE; HUMAN; INSULIN (blood, secretion); MALE; MIDDLE AGE; PANCREAS (physiopathology); PANCREATITIS (blood).

# **PINTER EJ**

METABOLIC AND ENDOCRINE CHANGES IN AEROBATIC FLIGHT. PINTER EJ *AEROSP MED* 45: 1159-63, OCT 74 *ENG*

ADAPTATION, PHYSIOLOGICAL; ADRENAL CORTEX HORMONES (blood); AVIATION MEDICINE; BLOOD SUGAR; CHOLESTEROL (blood); ENDOCRINE GLANDS (physiology); ENVIRONMENT, CONTROLLED; FATTY ACIDS, NONESTERIFIED (blood); FEMALE; HUMAN; INSULIN (blood); MALE; METABOLISM; PROLACTIN (blood); SOMATOTROPIN (blood); SPACE FLIGHT; THYROXINE (blood); TRIGLYCERIDES (blood); VANILMANDELIC ACID (urine).

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# **PISARSKAIA IV**

[EFFECT OF SULFANILAMIDE PREPARATIONS ON THE BLOOD COAGULATION SYSTEM IN PATIENTS WITH DIABETES MELLITUS] VASIUKOVA EA, PISARSKAIA IV, SHAROVA IUA *TER ARKH* 46: 53-5, 1974 *RUS*

# **PIZER LI**

AN EVALUATION OF REGULATION OF THE HEXOSE MONOPHOSPHATE SHUNT IN *ESCHERICHIA COLI*. ORTHNER CL, PIZER LI *J BIOL CHEM* 249: 3750-5, 25 JUN 74 *ENG*

# **PLETI M**

[EFFECT OF INTRAVENOUS ARGININE LOADING ON THE RELEASE OF GROWTH HORMONE AND LEVEL OF PLASMA IMMUNOREACTIVE INSULIN IN OBESE CHILDREN] RYBAKOWA M, DROPOVA K, SOLTYSIK-WILK E, GOLDA W, PLETI M *PEDIATR POL* 49: 1485-91, DEC 74 *POL*

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ANIMAL EXPERIMENTS; MALE; GLUCOSE (metabolism); CESTODA (metabolism); CESTODE INFECTIONS (metabolism); INTESTINAL ABSORPTION; SODIUM (metabolism); POTASSIUM (metabolism); HYDROGEN-ION CONCENTRATION; MODELS, BIOLOGICAL; BLOOD SUGAR; TIME FACTORS; BODY FLUIDS (metabolism); BIOLOGICAL TRANSPORT, ACTIVE; DIFFUSION; KINETICS.

# **POELS CL**

MUCOPOLYSACCHARIDE SECRETION FROM *DROSOPHILA* SALIVARY GLAND CELLS AS A CONSEQUENCE OF HORMONE INDUCED GENE ACTIVITY. POELS CL *CELL DIFFER* 1: 63-78, JUN 72 *ENG*

ANIMAL EXPERIMENTS; MALE; FEMALE; MUCOPOLYSACCHARIDES (secretion); SALIVARY GLANDS (cytology, drug effects); *DROSOPHILA* (cytology); GENES (drug effects); ECDYSONE (pharmacodynamics); LARVA; ENZYME REPRESSION; CHROMOSOMES; CULTURE MEDIA; RNA (biosynthesis); PROTEINS (biosynthesis); DACTINOMYCIN (pharmacodynamics); CYCLOHEXIMIDE (pharmacodynamics); MICROSCOPY, ELECTRON; TRITIUM; URIDINE (metabolism); AUTORADIOGRAPHY.

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# **POLACEK I**

HYPOGLYCAEMIC AND RELATED ACTIVITIES OF A NEW PYRAZOLOPYRIDINE DERIVATIVE (SQ 65,993). POLACEK I, SCHULZE E, BURG H, OUART J *ARZNEIM FORSCH* 24: 1242-7, SEP 74 *ENG*

ADMINISTRATION, ORAL; ANIMAL EXPERIMENTS; ANTI-ABETICS (therapeutic use, administration & dosage); BLOOD SUGAR (analysis); DOGS; DOSE-RESPONSE RELATIONSHIP, DRUG; DRUG SCREENING; DRUG SYNERGISM; FEMALE; GLUCOSE TOLERANCE TEST; HEPATECTOMY; HYPERGLYCEMIA (drug therapy); INJECTIONS, INTRAPERITONEAL; INJECTIONS, INTRAVENOUS; INSULIN (pharmacodynamics); LIVER GLYCOGEN; LIVER (physiology); MALE; MICE; PANCREAS (physiology); PANCREATECTOMY; PYRAZOLES (therapeutic use, administration & dosage); PYRIDINES (therapeutic use, administration & dosage); RABBITS; RATS; SULFONYLUREA COMPOUNDS (therapeutic use, administration & dosage).

# **POLAK M**

DIAGNOSTIC VALUE OF THE ESTIMATION OF GLUCOSE IN ASCITIC FLUID. POLAK M, TORRES DA COSTA AC *DEV PSYCHOBOL* 8: 347-52, 1973 *ENG*

INFANT; CHILD, PRESCHOOL; CHILD; ADOLESCENCE; ADULT; MIDDLE AGE; AGED; HUMAN; MALE; FEMALE; GLUCOSE (analysis); ASCITIC FLUID (analysis); ASCITES (pathology); BLOOD SUGAR (analysis); HYPERTENSION, PORTAL (pathology); LIVER DISEASES (pathology); HYPOPROTEINEMIA (pathology); PERITONEAL DISEASES (pathology).

# **POLAKOWSKI P**

[BLOOD INSULIN IN PATIENTS WITH CHRONIC PANCREATITIS] PIETEROWA R, SZCZECINSKA O, TORZECKA W, POLAKOWSKI P *POL ARCH MED WEWN* 52: 493-502, NOV 74 *POL*

# **POLANSKY MM**

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# **POLSE KA**

FAMILIAL CONGENITAL CORALLIFORM CATARACT. POLSE KA, HARRIS MG, ROSEN NJ *AM J OPTOM PHYSIOL OPT* 51: 770-3, OCT 74 *ENG*

ADULT; AGED; CATARACT (congenital, familial & genetic, etiology); CHILD, PRESCHOOL; DIABETES MELLITUS (complications); FEMALE; HUMAN; HYPERGLYCEMIA (complications); INFANT; MALE; PEDIGREE; PREDIABETIC STATE; VISUAL ACUITY.

# **POMERANTZ S**

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#### POPOVA D

[DISPENSARY OBSERVATION OF PATIENTS WITH DIABETES MELLITUS AT THE 1ST CITY HOSPITAL OF SOFIA] CHEMISHANSKI G, POPOVA D *VUTR BOLES* 11: 50-6, 1972 BUL

#### PORATH B

DIABETOGENIC EFFECT OF STREPTOZOTOCIN IN THE RAT DURING THE PERINATAL PERIOD. PORATH B, LEVACHER C, PICON L, ROSSELIN G *DIABETES* 23: 889-95, NOV 74 ENG  
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IRON STORAGE DISORDERS OF THE LIVER. GRACE ND, POWELL LW *GASTROENTEROLOGY* 67: 1257-83, DEC 74 ENG [300]

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[METABOLIC CONCEPT OF SHOCK. PATHOLOGY AND THERAPEUTICS AT THE CELLULAR LEVEL] PRIETO SOLIS JA *REV CLIN ESP* 132: 99-104, 31 JAN 74 SPA  
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#### RAZIN S

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**MINICELLS OF BACILLUS SUBTILIS. A  
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#### REIMANN EM

**PARTIAL PURIFICATION AND CHARAC-  
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REIMANN EM, RAPINO NG *BIOCHIM  
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### ROBERTSON RP

**EFFECTS OF PROSTAGLANDIN B<sub>1</sub> ON BASAL AND STIMULATED CIRCULATING LEVELS OF INSULIN, GLUCOSE AND FREE FATTY ACIDS.** ROBERTSON RP, GUEST RJ *PROSTAGLANDINS* 8: 231-40, 10 NOV 74 ENG

ANIMAL EXPERIMENTS; BLOOD SUGAR (metabolism); DEPRESSION, CHEMICAL; DOGS; FATTY ACIDS, NONESTERIFIED (blood); GLUCOSE (pharmacodynamics, administration & dosage); INFUSIONS, PARENTERAL; INJECTIONS, INTRAVENOUS; INSULIN (blood); NOREPINEPHRINE (pharmacodynamics, administration & dosage); PROSTAGLANDINS (pharmacodynamics, administration & dosage, immunology); STIMULATION, CHEMICAL; TIME FACTORS.

### ROBINSON JW

**MICROSOMAL NA<sup>+</sup>-STIMULATED NADH-CYTOCHROME C REDUCTASE: COULD IT BE INVOLVED IN SODIUM TRANSPORT** LUISIER AL, ROBINSON JW, KINNE R *EXPERIENTIA* 30: 631-3, 15 JUN 74 ENG

### ROBYN C

**PROLACTIN AND THYROTROPIN IN THYROID DISEASES: LACK OF EVIDENCE FOR A PHYSIOLOGICAL ROLE OF THYROTROPIN-RELEASING HORMONE IN THE REGULATION OF PROLACTIN SECRETION.** LHERMITE M, ROBYN C, GOLSTEIN J, ROTHENBUCHNER G, BIRK J, LOOS U, BONNYNS M, VANHAELST L *HORM METAB RES* 6: 190-5, MAY 74 ENG

### ROCHFERT H

**[MEASUREMENT OF PLASMA CORTISOL THROUGH RADIOCOMPETITION IN THE INSULIN STIMULATION TEST IN CHILDREN]** BRESSOT N, GOURDON J, ROCHFERT H, DUMAS R, CRASTES DE PAULET A *BIOMEDICINE [EXPRESS]* 21: 135-9, 20 MAR 74 FRE

### ROCHFERT JG

**ANTERIOR PITUITARY FUNCTION IN THE PRADER-LABHART-WILLI (PLW) SYNDROME.** TOLIS G, LEWIS W, VERDY M, FRIESENG HG, SOLOMON S, PAGALIS G, PAVLATOS F, FESSAS P, ROCHFERT JG *J CLIN ENDOCRINOL METAB* 39: 1061-6, DEC 74 ENG

### RODDA BE

**HYPOTONIC COLON EXAMINATION WITH GLUCAGON.** MILLER RE, CHERNISH SM, SKUCAS J, ROSENAK BD, RODDA BE *RADIOLOGY* 113: 555-62, DEC 74 ENG

### RODIONOV IU IA

**[PATHOGENESIS OF ESSENTIAL HYPERTENSION (THE POSSIBLE PRIMARY DEFICIENCY IN THE HUMORAL DEPRESSOR MECHANISM) (AN ARTICLE FOR DISCUSSION)]** RODIONOV IU IA *USP FIZIOL NAUK* 5: 146-59, OCT-DEC 74 RUS [99]

ALDOSTERONE (physiology); ANGIOTENSIN II (physiology); ANIMAL EXPERIMENTS; BLOOD PRESSURE; BLOOD VOLUME; BRADYKININ (physiology); DRUG SYNERGISM; HEMODYNAMICS, HUMAN; HYPERTENSION (etiology, physiopathology); HYPERTENSION, RENAL (physiology); INSULIN (physiology); KALLIKREIN (physiology); KIDNEY (physiopathology); KININASE II (physiology); KININS (physiology); NEUROHUMORS (physiology); PRESSORECEPTORS (physiology); PROSTAGLANDINS (physiology); PSYCHOPHYSIOLOGIC DISORDERS (complications); REFLEX; RENIN (physiology); REVIEW; SNAKE VENOMS (pharmacodynamics); VASOCONSTRICTOR AGENTS (physiology).

### RODRIGUEZ RR

**REDUCTION OF INSULIN RESPONSE TO HYPERGLYCAEMIA IN NORMAL DOGS AFTER THYROID-STIMULATING HORMONE (TSH) THERAPY.** RENAULD A, ANDRADE LL, SVERDLIK RC, RODRIGUEZ RR *ACTA PHYSIOL LAT AM* 24: 83-2, 1974 ENG

### ROESKE N

**FREE FATTY ACID RESPONSE TO INSULIN AND GLUCOSE STIMULATION IN SCHIZOPHRENIC, AUTISTIC, AND EMOTIONALLY DISTURBED CHILDREN.** DEMYER MK, SCHWIER H, BRYSON CQ, SOLOW EB, ROESKE N *J AUTISM CHILD SCHIZO* 1: 436-52, OCT-DEC 71 ENG

### ROGALA H

**INSULIN-BINDING ANTIBODIES IN SERUM OF DIABETIC CHILDREN TREATED WITH MONOCOMPONENT INSULIN.** SYMONIDES-LAWECKA A, LUDWICZAK H, ROGALA H, LAWECKI J, CZYZYK A *ACTA DIABETOL LAT* 11: 165-70, MAR-APR 74 ENG

### ROGERS IM

**NEONATAL SECRETION OF GASTRIN AND GLUCAGON.** ROGERS IM, DAVIDSON DC, LAWRENCE J, ARDILL J, BUCHANAN KD *ARCH DIS CHILD* 49: 796-801, OCT 74 ENG

AGE FACTORS; BLOOD; FEMALE; GASTRIN (secretion, blood); GLUCAGON (secretion, blood); HUMAN; INFANT, NEWBORN; LABOR; LABOR, INDUCED; MATERNAL-FETAL EXCHANGE; OXYTOCIN (therapeutic use); PREGNANCY; PUERPERIUM; RADIOIMMUNOASSAY; UMBILICAL CORD.

### ROGINSKI EE

**PRESENT KNOWLEDGE OF THE ROLE OF CHROMIUM.** MERTZ W, TOEFFER EW, ROGINSKI EE, POLANSKY MM *FED PROC* 33: 2275-80, NOV 74 ENG [39]



**ROHAN P**

INFLUENCE OF SOME GLYCEMIA-AFFECTING FACTORS ON ACUTE (CONDITIONED) CUTANEOUS NECROSIS. ROHAN P, SCHOLZ WH, SOLYMOSS B, VARGA S *ARCH DERMATOL FORSCH* 250: 121-5, 1974 ENG

ACUTE DISEASE; ALLOXAN (adverse effects, administration & dosage); ANIMAL EXPERIMENTS; DEXTRAN; FASTING; FEMALE; GLUCOSE (adverse effects, administration & dosage); INJECTIONS, INTRAVENOUS; INJECTIONS, SUBCUTANEOUS; INSULIN (adverse effects, administration & dosage); NECROSIS; RATS; SKIN DISEASES (chemically induced, prevention & control).

**ROSALES R**

[HYPERINSULINEMIA IN CHILDREN WITH CHEMICAL DIABETES MELLITUS] PARRA A, PEREZ-PASTEN E, ROSALES R, CERVANTES C, ARGOTE RM, GARCIA G *ARCH INVEST MED (MEX)* 5: 117-24, 1974 SPA

**ROSELL-PEREZ M**

INTERCONVERSIONS OF CARDIAC MUSCLE GLYCOGEN SYNTHETASE. SACRISTAN A, ROSELL-PEREZ M *REV ESP FISIOL* 27: 331-42, DEC 71 ENG

**ROSEN NJ**

FAMILIAL CONGENITAL CORALLIFORM CATARACT. POLSE KA, HARRIS MG, ROSEN NJ *AM J OPTOM PHYSIOL OPT* 51: 770-3, OCT 74 ENG

**ROSEN SW**

HETEROGENEITY OF CIRCULATING GROWTH HORMONE IN ACROMEGALY. DIMOND RC, WARTOFKY L, ROSEN SW *J CLIN ENDOCRINOL METAB* 39: 1133-7, DEC 74 ENG

**ROSENAK BD**

HYPOTONIC COLON EXAMINATION WITH GLUCAGON. MILLER RE, CHERNISH SM, SKUCAS J, ROSENAK BD, RODDA BE *RADIOLOGY* 113: 555-62, DEC 74 ENG

**ROSES DF**

PROGNOSTIC SIGNS AND THE ROLE OF OPERATIVE MANAGEMENT IN ACUTE PANCREATITIS. RANSON JH, RIFKIND KM, ROSES DF, FINK SD, ENG K, SPENCER FC *SURG GYNOL OBSTET* 139: 69-81, JUL 74 ENG

OBJECTIVE EARLY IDENTIFICATION OF SEVERE ACUTE PANCREATITIS. RANSON JH, RIFKIND KM, ROSES DF, FINK SD, ENG K, LOCALIO SA *AM J GASTROENTEROL* 61: 443-51, JUN 74 ENG

**ROSS R**

STUDIES OF PRIMATE ARTERIAL SMOOTH MUSCLE CELLS IN RELATION TO ATHEROSCLEROSIS. ROSS R, GLOMSET J *ADV EXP MED BIOL* 43: 265-79, 1974 ENG  
MONKEYS; ANIMAL EXPERIMENTS; IN VITRO; ARTERIES (pathology); MUSCLE, SMOOTH (pathology, drug effects); ARTERIOSCLEROSIS (pathology, etiology); MACACA; MICROSCOPY, ELECTRON; CONNECTIVE TISSUE CELLS; CELL DIVISION; CELL MOVEMENT; HYPERCHOLESTEREMIA (complications); HYPERLIPIDEMIA (complications); LIPIDS (analysis); CELLULAR INCLUSIONS; LIPOPROTEINS, LDL (pharmacodynamics); LIPOPROTEINS, HDL (pharmacodynamics).

**ROSSLIN G**

CHICKEN INSULIN; RADIOIMMUNOLOGICAL CHARACTERIZATION AND ENHANCED ACTIVITY IN RAT FAT CELLS AND LIVER

PLASMA MEMBRANES. SIMON J, FREYCHET P, ROSSELIN G *ENDOCRINOLOGY* 95: 1439-49, NOV 74 ENG

DIABETOGENIC EFFECT OF STREPTOZOTOCIN IN THE RAT DURING THE PERINATAL PERIOD. PORTH A, LEVACHER C, PICON L, ROSSELIN G *DIABETES* 23: 889-95, NOV 74 ENG

**ROSSNER S**

SUBSTRATE COMPETITION IN HUMAN MYOCARDIAL METABOLISM. WAHLQVIST ML, CARLSON LA, EKLUND B, KAUSSER L, LASSERS BW, LOW H, NYE ER, ROSSNER S *ADV CARDIOL* 12: 94-105, 1974 ENG

**ROTH J**

DEFECT IN INSULIN BINDING TO RECEPTORS IN OBESE MAN. AMELIORATION WITH CALORIE RESTRICTION. ARCHER JA, GORDEN P, ROTH J *J CLIN INVEST* 55: 166-74, JAN 75 ENG

**ROTHENBUCHNER G**

PROLACTIN AND THYROTROPIN IN THYROID DISEASES: LACK OF EVIDENCE FOR A PHYSIOLOGICAL ROLE OF THYROTROPIN-RELEASING HORMONE IN THE REGULATION OF PROLACTIN SECRETION. LHERMITE M, ROBYN C, GOLSTEIN J, ROTHENBUCHNER G, BIRK J, LOOS U, BONNYNS M, VANHAELST L *HORM METAB RES* 6: 190-5, MAY 74 ENG

**ROTTEM S**

CHARACTERIZATION OF THE MYOPLASMA MEMBRANE PROTEINS. IV. DISPOSITION OF PROTEINS IN THE MEMBRANE. AMAR A, ROTTEM S, RAZIN S *BIOCHIM BIOPHYS ACTA* 352: 228-44, 13 JUN 74 ENG

**ROUSSELIE F**

[TECHNIC AND INDICATIONS FOR ARGON LASER PHOTOCOAGULATION IN THE TREATMENT OF DIABETIC RETINOPATHY] HAUT J, COSCAS G, ROUSSELIE F *BULL SOC OPHTALMOL FR* 74: 51-61, JAN 74 FRE

**ROVENSKAIA NM**

[RELATIONSHIP OF CHRONIC PANCREATITIS AND CANCER OF THE PANCREAS] MIKHAILICHENKO VA, BRUK BB, ROVENSKAIA NM, TAMARKIN MA *VOPR ONKOL* 20: 57-61, 1974 RUS

**ROZE C**

[INSULIN EFFECT AFTER VAGOTOMY ON THE EXTERNAL PANCREATIC AND BILE SECRETIONS IN THE RAT] VAILLE C, DEBRAY C, DE LA TOUR J, ROZE C, SOUCHARD M *ANN PHARM FR* 32: 147-53, FEB 74 FRE

**RUCH FE**

REGULATION OF GLYCEROL CATABOLISM IN KLEBSIELLA AEROGENES. RUCH FE, LENGELER J, LIN EC *J BACTERIOL* 119: 50-6, JUL 74 ENG

KLEBSIELLA (metabolism, enzymology, growth & development); GLYCERIN (metabolism); GLYCEROPHOSPHATES (metabolism); ACETONE (metabolism); CARBON RADIOISOTOPES; ELECTRON TRANSPORT; MUTATION; FUMARATES (metabolism); ALKALINE PHOSPHATASE (metabolism); ALCOHOL OXIDOREDUCTASES (metabolism); PHOSPHOTRANSFERASES, ATP (metabolism); GLYCEROLPHOSPHATE DEHYDROGENASE (metabolism); PERMEASES (metabolism); GENES; ENZYME INDUCTION; AEROBIOSIS; ANAEROBIOSIS; CELL-FREE SYSTEM.

**RUDERMAN NB**

GLUCOSE METABOLISM IN RAT SKELETAL MUSCLE AT REST. EFFECT OF STARVATION, DIABETES, KETONE BODIES AND FREE FATTY ACIDS. GOODMAN MN, BERGER M, RUDERMAN NB *DIABETES* 23: 881-8, NOV 74 ENG

**RUDOLFSKY G**

[DIETARY ASPECTS IN THE TREATMENT OF OBESITY (AUTHORS TRANSL.)] AHNEFELD-OLBERTZ S, RUDOLFSKY G, SCHULTIS K *PRAxis* 63: 1065-71, 3 SEP 74 GER

**RUPP J**

BLOOD CHEMISTRY OF THE RAT KANGAROO, POTOROUS TRIDACTYLUS. WARD BC, GREEN RA, RUPP J *LAB ANIM SCI* 24: 548-51, JUN 74 ENG

**RUSCHE HJ**

FREE TRIIODOTHYRONINE (T<sub>3</sub>) AND THYROXINE (T<sub>4</sub>) SERUM LEVELS IN OLD AGE. HERRMANN J, RUSCHE HJ, KROLL HJ, HILGER P, KRUSKEMPER HL *HORM METAB RES* 6: 239-40, MAY 74 ENG

**RYBAKOWA M**

[EFFECT OF INTRAVENOUS ARGININE LOADING ON THE RELEASE OF GROWTH HORMONE AND LEVEL OF PLASMA IMMUNOREACTIVE INSULIN IN OBESE CHILDREN] RYBAKOWA M, DROPOWA K, SOLTYSIK-WILK E, GOLDA W, PLETI M *PEDIATR POL* 49: 1485-91, DEC 74 POL  
ADOLESCENCE; AGE FACTORS; ANTIGENS; ARGININE (diagnostic use); BLOOD SUGAR (analysis); CHILD; ENGLISH ABSTRACT; FEMALE; HUMAN; INSULIN (blood); MALE; OBESITY (metabolism); SEX FACTORS; SOMATOTROPIN (blood); TIME FACTORS.

**RYDNING A**

CARNITINE LEVELS IN HUMAN SERUM IN HEALTH AND DISEASE. BOHMER T, RYDNING A, SOLBERG HE *CLIN CHIM ACTA* 57: 55-61, 20 NOV 74 ENG

**SAARELA J**

BLOOD GLUCOSE, SERUM FFA AND SERUM INSULIN LEVELS AFTER THE INTAKE OF THE CARBOHYDRATE RICH SOLUTION BEFORE EXERCISE IN MAN. ORAVA S, VAPAATALO H, SAARELA J, REINILA M *J SPORTS MED PHYS FITNESS* 14: 93-102, JUN 74 ENG

**SABESAN MN**

LOW RESOLUTION CRYSTAL STRUCTURE OF HAGFISH INSULIN. CUTFIELD JF, CUTFIELD SM, DODSON EJ, DODSON GG, SABESAN MN *J MOL BIOL* 87: 23-30, 25 JUL 74 ENG

**SACCA L**

EFFECTS OF DIFFERENT PROSTAGLANDINS ON GLUCOSE KINETICS IN THE RAT. SACCA L, PEREZ G, RENGO F, CONDORELLI M *DIABETES* 23: 532-5, JUN 74 ENG  
RATS; ANIMAL EXPERIMENTS; MALE; COMPARATIVE STUDY; GLUCOSE (metabolism, administration & dosage); PROSTAGLANDINS (pharmacodynamics, administration & dosage); BLOOD SUGAR (metabolism); TRITIUM; INJECTIONS, INTRAVENOUS; TIME FACTORS; LIVER (metabolism).

**SACRISTAN A**

INTERCONVERSIONS OF CARDIAC MUSCLE GLYCOGEN SYNTHETASE. SACRISTAN A, ROSELL-PEREZ M *REV ESP FISIOL* 27: 331-42, DEC 71 ENG  
ADENOSINE MONOPHOSPHATE (metabolism); ADENOSINE TRIPHOSPHATE (metabolism);

# SADLER DM

ANIMAL EXPERIMENTS; EDTA (metabolism); ENZYME INDUCTION; GLYCOGEN SYNTHETASE (metabolism); INSULIN (metabolism); MAGNESIUM (metabolism); PAPILLARY MUSCLES (enzymology); RATS; TIME FACTORS.

# SAHLER DM

ORDER-DISORDER CONFORMATIONAL TRANSITIONS OF THE HYDROCARBON CHAINS OF LIPIDS. RANCK JL, MATEU L, SADLER DM, TARDIEU A, GULIK-KRZYWICKI T, LUZZATI V *J MOL BIOL* 85: 249-77, 15 MAY 74 ENG

# SAEGER EL

14C-TRIPALMITIN BREATH TEST AS A DIAGNOSTIC AID FOR FAT MALABSORPTION DUE TO PANCREATIC INSUFFICIENCY. CHEN IW, AZMUDEH K, CONNELL AM, SAEGER EL *J NUCL MED* 15: 1125-9, DEC 74 ENG

# SAITO S

IN VITRO EFFECTS OF SYNTHETIC SOMATOTROPIN-RELEASE INHIBITING FACTOR ON CYCLIC AMP LEVEL AND GH RELEASE IN RAT ANTERIOR PITUITARY GLAND. KANEKO T, OKA H, SAITO S, MUNEMURA M, MUSA K, ODA T *ENDOCRINOL JAP* 20: 535-8, OCT 73 ENG

# SAITO T

CONDUCTANCE OF ACTIVE AND PASSIVE PATHWAYS IN THE TOAD BLADDER. SAITO T, LIEF PD, ESSIG A *AM J PHYSIOL* 226: 1265-71, JUN 74 ENG

FROGS; ANIMAL EXPERIMENTS; IN VITRO; BLADDER (physiology, metabolism); BIOLOGICAL TRANSPORT, ACTIVE; BIOLOGICAL TRANSPORT; CHLORIDES (metabolism); SODIUM (metabolism); IODIDES (metabolism); SEROUS MEMBRANE (metabolism); MUCOUS MEMBRANE (metabolism); POTASSIUM (metabolism); PERMEABILITY; KINETICS; DIFFUSION; BUFO MARINUS; SODIUM ISOTOPES; RADIOISOTOPES; POTASSIUM ISOTOPES; IODINE RADIOISOTOPES.

# SALEL AF

THE IMPORTANCE OF TYPE IV HYPERLIPOPROTEINEMIA AS A PREDISPOSING FACTOR IN CORONARY ARTERY DISEASE. SALEL AF, RIGGS K, MASON DT, AMSTERDAM EA, ZELIS R *AM J MED* 57: 897-903, DEC 74 ENG

ADULT; ARTERIOSCLEROSIS (etiology, complications); CHOLESTEROL (blood); COMPARATIVE STUDY; CORONARY DISEASE (etiology); ELECTROPHORESIS; FEMALE; GLUCOSE TOLERANCE TEST; HUMAN; HYPERLIPIDEMIA (complications, occurrence, diagnosis); HYPERTENSION (complications); LIPOPROTEINS (metabolism, blood); LIPOPROTEINS, LDL (blood); MALE; MIDDLE AGE; OBESITY (complications, occurrence); PHENOTYPE; SEX FACTORS; SEX RATIO; SMOKING (complications); TRIGLYCERIDES (blood).

# SALEMBIER Y

[THE GLUCOSE CONTENT OF HUMAN GALL BLADDER BILE AND BILE FROM THE BILE DUCTS] PARIS J, GERARD A, SALEMBIER Y, SAMSO G *TJDSCHR GASTROENTEROL* 17: 40-50, 1974 FRE

# SALINAS M

A SENSITIVE AND SPECIFIC METHOD FOR QUANTITATIVE ESTIMATION OF CARBAMYLATION IN PROTEINS. SALINAS M, FANDO JL, GRISOLIA S *ANAL BIOCHEM* 62: 166-72, NOV 74 ENG

ANIMAL EXPERIMENTS; BRAIN CHEMISTRY; CARBAMATES; CARBON RADIOISOTOPES; CATTLE; COMPARATIVE STUDY; CYANATES; EVALUATION STUDIES; GEL FILTRATION; GLUTAMATE DEHYDROGENASE; HEMOGLOBIN; INSULIN; LIVER (enzymology, analysis); METHODS; MICE; MICROCHEMISTRY; OXIDATION-REDUCTION; PLANTS (enzymology); PROTEIN BINDING; PROTEINS (analysis); SWINE; TIME FACTORS; UREASE.

# SALOKANGAS AA

THE FIRST INTERNATIONAL STANDARD FOR GLUCAGON. ANNABLE L, BANGHAM DR, SALOKANGAS AA, STORRING PL *ACTA ENDOCRINOL (KBH)* 77: 705-14, DEC 74 ENG

# SAMAAN NA

DIFFERENTIAL EVALUATION OF THE FETOPLACENTAL UNIT IN PATIENTS WITH DIABETES. SAMAAN NA, GALLAGER HS, MCROBERTS WA JR, HOLT B *AM J OBSTET GYNECOL* 120: 825-32, 15 NOV 74 ENG

# SAMSO G

[THE GLUCOSE CONTENT OF HUMAN GALL BLADDER BILE AND BILE FROM THE BILE DUCTS] PARIS J, GERARD A, SALEMBIER Y, SAMSO G *TJDSCHR GASTROENTEROL* 17: 40-50, 1974 FRE

# SAN MARCO JL

[LETTER: BUPRANOLOL, A BETA-BLOCKER ACTING ON INSULIN SECRETION IN OBESITY] SIMONIN R, SAN MARCO JL, IMBERT C *NOUVEAU PRESSE MED* 3: 2025, 28 SEP 74 FRE

# SANTI R

NEPHROTOXIC EFFECT OF ATRACTYLOSIDE IN RATS. CARPENEDO F, LUCIANI S, SCARAVILLI F, PALATINI P, SANTI R *ARCH TOXICOL (BERL)* 32: 169-80, 1974 ENG

# SANYAL RK

STUDIES OF ADRENERGIC MECHANISMS IN RELATION TO HISTAMINE SENSITIVITY IN CHILDREN IMMUNIZED WITH BORDETELLA PERTUSSIS VACCINE. SEN DK, ARORA S, GUPTA S, SANYAL RK *J ALLERGY CLIN IMMUNOL* 54: 25-31, JUL 74 ENG

# SATO S

MALTOSE METABOLISM IN DIABETIC STATE. TOYOTA T, GOTO Y, SATO S, SHIMOJO Y, TAKAHASHI K *TOHOKU J EXP MED* 114: 61-9, SEP 74 ENG

# SAUDAX E

[TREATMENT OF DIABETIC RETINOPATHY BY STEREOTAXIC INTRAPITUITARY IMPLANTATION OF RADIOACTIVE GOLD] DEBRY G, DROUIN P, MEJEAN L, SAUDAX E, GROBOTECK M, TALAIRACH J, SCHAUB C, SZIKLA G, BLUET-PAJOT MT, NASSIET J *REV PRAT* 24: 3123-4 PASSIM, 24 JUN 74 FRE

# SAUDEK CD

PLASMA GLUCAGON AND INSULIN IN RAT PREGNANCY. ROLES IN GLUCOSE HOMEOSTASIS. SAUDEK CD, FINKOWSKI M, KNOPP RH *J CLIN INVEST* 55: 180-7, JAN 75 ENG

ALANINE (diagnostic use); ANESTHESIA; ANIMAL EXPERIMENTS; ANTIGENS (analysis); BLOOD SUGAR (analysis); FEMALE; GLUCAGON (blood, physiology, immunology);

GLUCOSE (metabolism); HOMEOSTASIS; INSULIN (blood, physiology, immunology); PANCREAS (metabolism); PENTOBARBITAL (pharmacodynamics); PREGNANCY; PREGNANCY, SECOND TRIMESTER; PREGNANCY, THIRD TRIMESTER; RATS; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

# SAUNDERS HL

3-MERCAPTOPYCOLINIC ACID, AN INHIBITOR OF GLUCONEOGENESIS. DITULLIO NW, BERKOFF CE, BLANK B, KOSTOS V, STACK EJ, SAUNDERS HL *BIOCHEM J* 138: 387-94, MAR 74 ENG

# SAVIN JA

BACTERIAL INFECTIONS IN DIABETES MELLITUS. SAVIN JA *BR J DERMATOL* 91: 481-4, OCT 74 ENG [78]

ACID-BASE EQUILIBRIUM; AGGLUTININS (analysis); ANIMAL EXPERIMENTS; ANTIBODY FORMATION; BACTERIAL INFECTIONS (complications); BLOOD BACTERICIDAL ACTIVITY; BLOOD SUGAR (analysis); BODY WEIGHT; DIABETES MELLITUS (complications, immunology, blood); ERYTHRAEMA (complications); GLUCOSE TOLERANCE TEST; HUMAN; KETONES (blood); LEPROSY (complications); LEUKOCYTOSIS; NOSE (microbiology); PHAGOCYTOSIS; RATS; REVIEW; SKIN DISEASES, INFECTIOUS (complications); SKIN (analysis, microbiology); STAPHYLOCOCCAL INFECTIONS (complications); URINARY TRACT INFECTIONS (complications).

# SBUELZ B

[SUPERSELECTIVE VAGOTOMY AND PEROPERATIVE ACID-SECRETION TEST] GRASSI G, ORECCHIA C, SBUELZ B, GRASSI GB *J CHIR (PARIS)* 107: 275-81, MAR 74 FRE

# SCARAVILLI F

NEPHROTOXIC EFFECT OF ATRACTYLOSIDE IN RATS. CARPENEDO F, LUCIANI S, SCARAVILLI F, PALATINI P, SANTI R *ARCH TOXICOL (BERL)* 32: 169-80, 1974 ENG

# SCHAUB C

[TREATMENT OF DIABETIC RETINOPATHY BY STEREOTAXIC INTRAPITUITARY IMPLANTATION OF RADIOACTIVE GOLD] DEBRY G, DROUIN P, MEJEAN L, SAUDAX E, GROBOTECK M, TALAIRACH J, SCHAUB C, SZIKLA G, BLUET-PAJOT MT, NASSIET J *REV PRAT* 24: 3123-4 PASSIM, 24 JUN 74 FRE

# SCHEDL HP

JEJUNAL SODIUM TRANSPORT IN THE RAT: EFFECTS OF ALLOXAN DIABETES. SCHEDL HP, WILSON HD *BIOCHIM BIOPHYS ACTA* 367: 225-31, 29 OCT 74 ENG

ALLOXAN DIABETES (metabolism); ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT, ACTIVE; BLOOD SUGAR (metabolism); BODY WEIGHT; CARBON RADIOISOTOPES; COMPARATIVE STUDY; GLUCOSE (pharmacodynamics); INTESTINAL MUCOSA (metabolism, drug effects); JEJUNUM (metabolism, drug effects); KINETICS; MALE; MATHEMATICS; METHYLGLUCOSIDES (metabolism); POTASSIUM (metabolism); RADIOISOTOPES; RATS; SODIUM ISOTOPES; SODIUM (metabolism); TIME FACTORS; WATER (metabolism).

INTESTINAL ADAPTATION IN DIABETES: AMINO ACID ABSORPTION. LAL D, SCHEDL HP *AM J PHYSIOL* 227: 827-31, OCT 74 ENG

EFFECTS OF ALLOXAN DIABETES ON DUODENAL CALCIUM-BINDING PROTEIN IN THE RAT. SCHNEIDER LE, WILSON HD, SCHEDL HP *AM J PHYSIOL* 227: 832-8, OCT 74 ENG

## SCHELBERT HR

COMPARATIVE MYOCARDIAL UPTAKE OF INTRAVENOUSLY ADMINISTERED RADIONUCLIDES. SCHELBERT HR, ASHBURN WL, CHAUNCEY DM, HALPERN SE. *J NUCL MED* 15: 1092-100, DEC 74 ENG  
ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT (drug effects); CESIUM ISOTOPES (administration & dosage, diagnostic use); COMPARATIVE STUDY; DIGOXIN (pharmacodynamics); DOSE-RESPONSE RELATIONSHIP, DRUG; FASTING; GLUCOSE (pharmacodynamics); HEPARIN (pharmacodynamics); INJECTIONS, INTRAVENOUS; INSULIN (pharmacodynamics); IODINE ISOTOPES, DIAGNOSTIC (administration & dosage); ISOPROTERENOL (pharmacodynamics); LEAD (administration & dosage, diagnostic use); MYOCARDIUM (metabolism); OLEIC ACID (diagnostic use, administration & dosage); POTASSIUM ISOTOPES (administration & dosage, diagnostic use); RADIOISOTOPE SCANNING; RADIOISOTOPES (administration & dosage); RATS; RUBIDIUM (administration & dosage, diagnostic use); TECHNETIUM (administration & dosage, diagnostic use); TIME FACTORS; ZINC ISOTOPES (administration & dosage, diagnostic use).

## SCHERSTEN B

DETECTION AND DIAGNOSIS OF BACTERIURIA IN PREGNANCY. A STUDY FROM GENERAL PRACTICE. BOBECK S, SCHERSTEN B. *PRACTITIONER* 212: 257-62, FEB 74 ENG

## SCHERSTEN T

THERMOGRAPHY IN VASCULAR SURGERY. A PRELIMINARY REPORT BASED ON A STUDY IN 12 CASES. HOLM J, JOHNSEN C, SCHERSTEN T. *ACTA CHIR SCAND* 140: 445-8, 1974 ENG

## SCHEITTLER G

[RECENT RESULTS OF THE HEIDELBERG RESEARCH INTO THE EPIDEMIOLOGY OF CARDIAC INFARCTION (AUTHORS TRANSL.)] SCHEITTLER G, NUSSEL E. *DTSCH MED WOCHENSCHR* 99: 2003-8, 11 OCT 74 GER  
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## SCHIBECI A

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## SCHLICHTKRULL J

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BLOOD FLOW VELOCITY; BLOOD SUGAR (analysis); CATECHOLAMINES (blood); CORONARY DISEASE (metabolism); FATTY ACIDS, NONESTERIFIED (blood); GLYCOLYSIS; HUMAN; INSULIN (blood); MYOCARDIAL INFARCT (metabolism).

EDITORIAL: FIBRINOLYSIS AND VENOUS THROMBOSIS. Anonymous *BR MED J* 4: 365-6, 16 NOV 74 ENG

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LETTER: FOOD AND DEATH-RATES FROM DIABETES. Anonymous *LANCET* 7890: 1201-2, 16 NOV 74 ENG

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CASE RECORDS OF THE MASSACHUSETTS GENERAL HOSPITAL. WEEKLY CLINICOPATHOLOGICAL EXERCISES. CASE 1-1975. Anonymous *N ENGL J MED* 292: 35-41, 2 JAN 75 ENG

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LETTER: CONTROLLED STUDY OF CORONARY-ARTERY SURGERY. Anonymous *N ENGL J MED* 292: 210, 23 JAN 75 ENG

AORTOCORONARY BYPASS; CLINICAL RESEARCH; CORONARY DISEASE (surgery, complications); DIABETES MELLITUS (complications); FEMALE; HUMAN; OBESITY (complications); SMOKING (complications).

PSYCHIATRIC SIDE EFFECTS OF NONPSYCHIATRIC DRUGS. Anonymous *SEMIN PSYCHIATRY* 3: 406-20, NOV 71 ENG

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**FASTING HYPOGLYCEMIA, HYPERCALCEMIA AND HYPERPROLACTINEMIA. MULTIPLE ENDOCRINE NEOPLASIA, TYPE 1** Anonymous *AM J MED* 57: 611-9, OCT 74 *ENG*

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**CLINICOSOCIOLOGIC CONFERENCE. DIABETES MELLITUS.** Anonymous *AM J MED* 57: 940-8, DEC 74 *ENG*

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**DIETARY FAT AND CORONARY HEART DISEASE: A REVIEW. 3. A COMMUNITY PROGRAMME.** Anonymous *MED J AUST* 1: 663-8, 27 APR 74 *ENG* [162]

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**EDITORIAL: ISLET CELL TUMOURS OF THE PANCREAS.** Anonymous *CAN MED ASSOC J* 110: 1331, 22 JUN 74 *ENG*

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